

## REFERENCES

- Universidad Nacional De la Plata*. URL <https://unlp.edu.ar/>. [Online; Accessed 13 March 2021].
- Ashima Aggarwal and Gour Sundar Mitra Thakur. Techniques of performance appraisal-a review. *International Journal of Engineering and Advanced Technology (IJEAT)*, 2(3):617–621, 2013.
- Jameela Al-Jaroodi and Nader Mohamed. Blockchain in industries: A survey. *IEEE Access*, 7:36500–36515, 2019.
- Qasem A Al-Radaideh and Eman Al Nagi. Using data mining techniques to build a classification model for predicting employees performance. *International Journal of Advanced Computer Science and Applications*, 3(2), 2012.
- Franco Amati. First official career diplomas on bitcoin’s blockchain; 2015. URL <https://blog.signatura.co/first-official-career-diplomas-on-bitcoin-s-blockchain-69311acb544d>, 6. [Online; Accessed 13 April 2021].
- George Anders. How linkedin has turned your resume into a cash machine. 06 2012. URL <https://www.forbes.com/sites/georgeanders/2012/06/27/how-linked-in-strategy/?sh=fbca3b1494d1>. [Online; Accessed 30 March 2021].
- Mihir Bellare and Phillip Rogaway. Minimizing the use of random oracles in authenticated encryption schemes. In *International Conference on Information and Communications Security*, pages 1–16. Springer, 1997.
- Thomas Bocek, Bruno B. Rodrigues, Tim Strasser, and Burkhard Stiller. Blockchains everywhere - a use-case of blockchains in the pharma supply-chain. In *2017 IFIP/IEEE Symposium on Integrated Network and Service Management (IM)*, pages 772–777, 2017. 10.23919/INM.2017.7987376.

Federico Bond, Franco Amati, and Gonzalo Blousson. Blockchain, academic verification use case. *Buenos Aires*, 2015. [Online; Accessed 13 March 2021].

Kei Leo Brousmiche, Thomas Heno, Christian Poulain, Antoine Dalmieres, and Elyes Ben Hamida. Digitizing, securing and sharing vehicles life-cycle over a consortium blockchain: Lessons learned. In *2018 9th IFIP international conference on new technologies, mobility and security (NTMS)*, pages 1–5. IEEE, 2018.

D Brown. Standards for efficient cryptography, sec 1: elliptic curve cryptography. *Released Standard Version*, 1, 2009.

Peter Cappelli and Martin J Conyon. What do performance appraisals do? *ILR Review*, 71(1):88–116, 2018.

Miguel Pincheira Caro, Muhammad Salek Ali, Massimo Vecchio, and Raffaele Giaffreda. Blockchain-based traceability in agri-food supply chain management: A practical implementation. In *2018 IoT Vertical and Topical Summit on Agriculture-Tuscany (IOT Tuscany)*, pages 1–4. IEEE, 2018.

Cadelina Cassandra, Henry Antonius Eka Widjaja, Harjanto Prabowo, Erick Fernando, Yakob Utama Chandra, et al. A blockchain technology-based for university teaching and learning processes. In *2020 International Conference on Information Management and Technology (ICIMTech)*, pages 244–247. IEEE, 2020.

cFirst. The growing menace of resumes lies and its impact on hiring. 07 2019. URL <https://www2.cfirst.io/the-growing-menace-of-resumes-lies-and-its-impact-on-hiring/>. [Online; Accessed 3 March 2021].

Nithin R Chandran and Ebin M Manuel. Performance analysis of modified sha-3. *Procedia Technology*, 24:904–910, 2016.

Mathieu Chanson, Andreas Bogner, Felix Wortmann, and Elgar Fleisch. Blockchain as a privacy enabler: An odometer fraud prevention system. In *Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers*, pages 13–16, 2017.

Visal Chawla. What are the top blockchain consensus algorithms? 01 2020. URL <https://analyticsindiamag.com/blockchain-consensus-algorithms/>. [Online; Accessed 5 April 2021].

Chen-Fu Chien and Li-Fei Chen. Data mining to improve personnel selection and enhance human capital: A case study in high-technology industry. *Expert Systems with applications*, 34(1):280–290, 2008.

F Clegg. Simple statistics cambridge university press, 1990.

CoinMarketCap. Today’s cryptocurrency prices by market cap. 07 2021. URL <https://coinmarketcap.com/>. [Online; Accessed 4 July 2021].

Hong-Ning Dai, Zibin Zheng, and Yan Zhang. Blockchain for internet of things: A survey. *IEEE Internet of Things Journal*, 6(5):8076–8094, 2019. 10.1109/JIOT.2019.2920987.

Gary Dessler. *Human resource management twelfth edition*. Pearson International Edition, 2011.

Nivedita Swapna Dhanala and D Radha. Implementation and testing of a blockchain based recruitment management system. In *2020 5th International Conference on Communication and Electronics Systems (ICCES)*, pages 583–588. IEEE, 2020.

Laura Portolese Dias. Beginning management of human resources. *Washington: Flatworld Knowledge*, 2012.

- Tien Tuan Anh Dinh, Rui Liu, Meihui Zhang, Gang Chen, Beng Chin Ooi, and Ji Wang. Untangling blockchain: A data processing view of blockchain systems. *IEEE Transactions on Knowledge and Data Engineering*, 30(7):1366–1385, 2018. 10.1109/TKDE.2017.2781227.
- Morris J Dworkin. Sha-3 standard: Permutation-based hash and extendable-output functions. 2015.
- Ratna Ekawati, Yandra Arkeman, Suprihatin Suprihatin, and Titi Candra Sunarti. Design of intelligent decision support system for sugar cane supply chains based on blockchain technology. In *2020 2nd International Conference on Industrial Electrical and Electronics (ICIEE)*, pages 153–157. IEEE, 2020.
- T. Elgamal. A public key cryptosystem and a signature scheme based on discrete logarithms. *IEEE Transactions on Information Theory*, 31(4):469–472, 1985. 10.1109/TIT.1985.1057074.
- Gilbert. Law dictionary. page 124, 1997.
- GoQuorum. Raft consensus protocol. 2019. URL <https://goquorum.readthedocs.io/en/latest/Consensus/raft/raft/>. [Online; Accessed 22 April 2021].
- Meriem Guerar, Alessio Merlo, Mauro Migliardi, Francesco Palmieri, and Luca Verderame. A fraud-resilient blockchain-based solution for invoice financing. *IEEE Transactions on Engineering Management*, 67(4):1086–1098, 2020.
- Darrel Hankerson, Alfred J Menezes, and Scott Vanstone. *Guide to elliptic curve cryptography*. Springer Science & Business Media, 2006.
- Erik Hofmann, Urs Magnus Strewe, and Nicola Bosia. Discussion—how does the full potential of blockchain technology in supply chain finance look like? In *Supply Chain Finance and Blockchain Technology*, pages 77–87. Springer, 2018.
- Susan Jamieson. Likert scales: How to (ab) use them? *Medical education*, 38(12): 1217–1218, 2004.

- Hamidah Jantan, Abdul Razak Hamdan, and Zulaiha Ali Othman. Knowledge discovery techniques for talent forecasting in human resource application. *World Academy of Science, Engineering and Technology*, 50:775–783, 2009.
- Vid Keršič, Primož Štukelj, Aida Kamišalić, Sašo Karakatić, and Muhamed Turkanović. A blockchain-and ai-based platform for global employability. In *International Congress on Blockchain and Applications*, pages 161–168. Springer, 2019.
- Harry Kierbow. 53% of people lie on resumes — including brian williams. 02 2015. URL <https://gosmallbiz.com/53-of-people-lie-on-resumes-including-brian-williams/>. [Online; Accessed 3 March 2021].
- Neal Koblitz, Alfred Menezes, and Scott Vanstone. The state of elliptic curve cryptography. *Designs, codes and cryptography*, 19(2):173–193, 2000.
- Giorgia Lallai, Andrea Pinna, Michele Marchesi, Roberto Tonelli, F Chiaraluce, and L Mostarda. Software engineering for dapp smart contracts managing workers contracts. In *DLT@ ITASEC*, 2020.
- Laura M. LaVoie. Four disadvantages of third-party recruiters. 07 2017. URL <https://www.hrmsworld.com/disadvantages-of-third-party-recruiters-330.html>. [Online; Accessed 30 March 2021].
- Xueping Liang, Sachin Shetty, Deepak Tosh, Charles Kamhoua, Kevin Kwiat, and Laurent Njilla. Provchain: A blockchain-based data provenance architecture in cloud environment with enhanced privacy and availability. In *2017 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGRID)*, pages 468–477, 2017. 10.1109/CCGRID.2017.8.
- Hidde Lycklama à Nijeholt, Joris Oudejans, and Zekeriya Erkin. Decreg: A framework for preventing double-financing using blockchain technology.

In *Proceedings of the ACM Workshop on Blockchain, Cryptocurrencies and Contracts*, pages 29–34, 2017.

Ali A Mahmoud, Tahani AL Shawabkeh, Walid A Salameh, and Ibrahim Al Amro. Performance predicting in hiring process and performance appraisals using machine learning. In *2019 10th International Conference on Information and Communication Systems (ICICS)*, pages 110–115. IEEE, 2019.

Saul McLeod. Likert scale definition, examples and analysis. *Simply Psychology*, 2019. [Online; Accessed 23 April 2021].

Lisa McQuerrey. What are the key performance indicators for employee job appraisal? 06 2018. URL <https://work.chron.com/key-performance-indicators-employee-job-appraisal-21592.html>. [Online; Accessed 11 April 2021].

Victor S Miller. Use of elliptic curves in cryptography. In *Conference on the theory and application of cryptographic techniques*, pages 417–426. Springer, 1985.

Ahmed Afif Monrat, Olov Schelén, and Karl Andersson. A survey of blockchain from the perspectives of applications, challenges, and opportunities. *IEEE Access*, 7:117134–117151, 2019.

Satoshi Nakamoto. Bitcoin: A peer-to-peer electronic cash system. Technical report, Manubot, 2019.

Mona Nasr, Essam Shaaban, and Ahmed Samir. A proposed model for predicting employees’ performance using data mining techniques: Egyptian case study. *no. February*, 2019.

Bernardo Nicoletti. Fintech and procurement finance 4.0. In *Procurement Finance*, pages 155–248. Springer, 2018.

JLG Pardo and C Gómez-Rodríguez. The sha-3 family of cryptographic hash functions and extendable-output functions. In *Maple Document*. 2015.

Thomas Peisl and Bahadur Shah. The impact of blockchain technologies on recruitment influencing the employee lifecycle. In *European Conference on Software Process Improvement*, pages 695–705. Springer, 2019.

PerformYard. Employee. 07 2019. URL <https://www.performyard.com/articles/performance-review-ratings-scales-examples>. [Online; Accessed 20 April 2021].

Andrea Pinna, Gavina Baralla, Giorgia Lallai, Michele Marchesi, and Roberto Tonelli. Design of a sustainable blockchain-oriented software for building workers management. *Front. Blockchain* 3: 38. doi: 10.3389/fbloc, 2020.

Inc. (PAP) Wiley Group Profiles Asia Pacific. Key behavioral indicators for employees. 04 2018. URL <https://www.profilesasiapacific.com/2018/04/24/key-behavioral-indicators-for-employees/>. [Online; Accessed 11 April 2021].

Risk Advisory. CV Lies 2017. URL <https://www.riskadvisory.com/campaigns/cv-lies-2017/>. [Online; Accessed 3 March 2021].

Matthias Ruhl, Marshall Bern, and David Goldberg. Secure notarization of paper text documents. In *Symposium on Discrete Algorithms: Proceedings of the twelfth annual ACM-SIAM symposium on Discrete algorithms*, volume 7, pages 437–438, 2001.

Khaled Salah, Nishara Nizamuddin, Raja Jayaraman, and Mohammad Omar. Blockchain-based soybean traceability in agricultural supply chain. *IEEE Access*, 7:73295–73305, 2019a.

Khaled Salah, M. Habib Ur Rehman, Nishara Nizamuddin, and Ala Al-Fuqaha. Blockchain for ai: Review and open research challenges. *IEEE Access*, 7:10127–10149, 2019b. 10.1109/ACCESS.2018.2890507.

Paul Sarda, Mohammad Javed Morshed Chowdhury, Alan Colman, Muhammad Ashad Kabir, and Jun Han. Blockchain for fraud prevention: A work-history fraud prevention system. In *2018 17th IEEE*

*International Conference On Trust, Security And Privacy In Computing And Communications/ 12th IEEE International Conference On Big Data Science And Engineering (TrustCom/BigDataSE)*, pages 1858–1863, 2018. 10.1109/TrustCom/BigDataSE.2018.00281.

Mathew J. Schwartz. LinkedIn breach: Worse than advertised. 05 2016. URL <https://www.bankinfosecurity.com/linkedin-breach-worse-than-advertised-a-9113>. [Online; Accessed 30 March 2021].

Russel G Smith. Defining, measuring, and reporting fraud risk within your organisation. In *IIR Conferences, Applying Risk Management to Implement a Proactive Fraud Prevention Strategy in Financial Services. Parkroyal Darling Harbour*, pages 19–20, 2001.

James W Smither and Manuel London. *Performance management: Putting research into action*, volume 21. John Wiley & Sons, 2009.

Feng Tian. A supply chain traceability system for food safety based on haccp, blockchain & internet of things. In *2017 International conference on service systems and service management*, pages 1–6. IEEE, 2017.

Muhamed Turkanović, Marko Hölbl, Kristjan Košič, Marjan Heričko, and Aida Kamišalić. Eductx: A blockchain-based higher education credit platform. *IEEE access*, 6:5112–5127, 2018.

Sharad Kumar Verma and DB Ojha. A discussion on elliptic curve cryptography and its applications. *International Journal of Computer Science Issues (IJCSI)*, 9(1): 74, 2012.

Walmart. Walmart and sam’s club to require real-time, end-to-end food traceability with blockchain. 09 2019. URL [https://corporate.walmart.com/media-library/document/leafy-greens-on-blockchain-press-release/\\_proxyDocument?id=00000166-0c4c-d96e-a3ff-8f7c09b50001](https://corporate.walmart.com/media-library/document/leafy-greens-on-blockchain-press-release/_proxyDocument?id=00000166-0c4c-d96e-a3ff-8f7c09b50001). [Online; Accessed 4 April 2021].



- Jun Wang, Peng Wu, Xiangyu Wang, and Wenchu Shou. The outlook of blockchain technology for construction engineering management. *Frontiers of engineering management*, 4:67–75, 2017. 10.15302/J-FEM-2017006. URL [https://journal.hep.com.cn/fem/EN/abstract/article\\_19503.shtml](https://journal.hep.com.cn/fem/EN/abstract/article_19503.shtml).
- Dylan Yaga, Peter Mell, Nik Roby, and Karen Scarfone. Blockchain technology overview. *CoRR*, abs/1906.11078, 2019. URL <http://arxiv.org/abs/1906.11078>.
- YCHARTS. Ethereum average gas price. 07 2021. URL [https://ycharts.com/indicators/ethereum\\_average\\_gas\\_price/](https://ycharts.com/indicators/ethereum_average_gas_price/). [Online; Accessed 4 July 2021].
- Candy So Suk Yi, Eric Yung, Christopher Fong, Shilpi Tripathi, et al. Benefits and use of blockchain technology to human resources management: A critical review. *International Journal of Human Resource Studies*, 10(2):131140–131140, 2020.
- Kevin Zervos. Responding to fraud in the 1990s. *Complex Commercial Fraud*, pages 199–209, 1992.