Sanatan Shrivastava

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EDUCATION

The University of Texas at Dallas　　　　　　　　　　　　　　　　　　**Dallas, TX, USA**
Master of Science in Computer Science　　　　　　　　　　*August 2022 – May 2024 (Expected)*
- Algorithms, Data Structures, Machine Learning, Distributed Systems.

Indian Institute of Information Technology (IIIT), Kota　　　　　　　　　　**Jaipur, India**
Bachelor of Technology in Computer Science and Engineering　　　　　　*August 2018 – July 2022*
- Algorithms, Data Structures, Database Management Systems, Operating Systems.　　*GPA: 8.69/10.0*

SKILLS

Languages: Java, C++, Python3, HTML5, CSS3, Javascript

Software: AWS, Visual Studio Code, Google Cloud, Canva

WORK EXPERIENCE

Samsung SDS India　　　　　　　　　　　　　　　　　　**Gurugram, Haryana, India**
Software Engineering Intern　　　　　　　　　　　　　　　　　*Feb. 2022 – July 2022*
- Ensured enhancement in the cross-team software performance by designing programs in Core Java.
- Designed modular programs using microservices that improved the customer experience considerably.
- Obtained a Pre-Placement offer for the Full-Term Employment (FTE) as the Software Engineer – I.

On-The-Go Car Wash Services　　　　　　　　　　　　　　　　　　**Jaipur, India**
Web Developer Intern　　　　　　　　　　　　　　　　　　*Nov. 2020 – Jan 2021*
- Programmed dynamic and interactive website alongside an administration portal that ensured increment in customers, bookings and orders, and User Experience, resulting in a 70% increase in sales revenue.
- Fixed bugs in the application and worked on patches that that maximized the overall app functionality.

National Institute of Technology, Jaipur　　　　　　　　　　　　　　　　**Jaipur, India**
Full-stack Developer Intern　　　　　　　　　　　　　　　　　*Nov. 2018 – Feb 2019*
- Deployed an interactive website of annual event for registration which led to a 70% increase in revenue.
- Improved web performance and reduced the load-time by 25% using browser-caching, asset optimization.
- The project led to a total reduction in the cost by 300% as compared to previous year.

RESEARCH PUBLICATIONS

Priyanka Mishra, **Sanatan Shrivastava**, IoT based automated Wheelchair for Physically Challenged, Materials Today: Proceedings, Volume 56, Part 1, 2022, Pages 533-541, ISSN 2214-7853. **[SCOPUS]** Available at https://www.sciencedirect.com/science/article/pii/S221478532200760X

Shrivastava, S., Sharma, A. (2022). Distributed Ledger Technology (DLT) and Byzantine Fault Tolerance in Blockchain. Lecture Notes in Networks and Systems (LNNS), vol 425. Springer, Singapore. **[SCOPUS]** Available at https://doi.org/10.1007/978-981-19-0707-4_86

Mishra P., **Shrivastava S.** Cloud AIoT based Smart Wheelchair using Module for Social Distancing, Temperature Monitoring, and Oximeter Module. International Journal of Information Technology (IJIT) Vol. 7 No. 5 **[DOAJ].** Available at http://ijitjournal.org/volume-7/issue-5/IJIT-V7I5P6.pdf

MAJOR PROJECTS

Early & Automated Diagnosis of Dysgraphia using Machine Learning　　　　**Jaipur, India**
Research Fellow (Undergraduate)　　　　　　　　　　　　　　　　*Jan. 2021 – Dec. 2021*
- Developed a platform using API(s) resulting in a 40% increase in the dataset ingestion of user samples.
- Assessed three ML techniques – SVM, Random Forest, and AdaBoost on more than 600+ user profiles.
- Saved cost by 30% incurred due to cloud storage; Model could classify and predict if a user had Dysgraphia.

Automated Wheelchair for physically challenged using AIoT　　　　　　　　**Jaipur, India**
Research Fellow (Undergraduate)　　　　　　　　　　　　　　　　*Aug. 2020 – Oct. 2021*
- Researched the viability of the EERG headset for the robotic arm movement using Brain-Computer Interface.
- Evaluated the scope of using Artificial Intelligence of Things (AIoT) for minimizing the manual human support.