

Darsh Jain

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EDUCATION

University of Virginia | Charlottesville, VA, United States

Aug 2024 – Dec 2025

Master of Science in Computer Science

University of Mumbai | Mumbai, India

Aug 2019 - May 2023

Bachelor of Engineering in Computer Engineering

GPA: 3.70/ 4.00

PROFESSIONAL EXPERIENCE

Software Developer | *Lab Systems Pvt. Ltd., India*

Aug 2023 – July 2024

Tech Stack: Blockchain | NextJS | Python | Git | Cloudflare | C++ | SQL/NOSQL | Flask API | Networking | Solution Design

- Designed and implemented scalable **Cryptocurrency Forensics** and **Disk Forensics** software.
- Designed **APIs** using **C++ and Python backend** and **Operating System** services to increase performance of software.
- Managed the team as **Lead** optimizing workflows using Git and other tools and communicating design architectures.

Blockchain Research Intern | *Lab Systems (I) Pvt. Ltd., India*

Aug 2022 – July 2023

Tech Stack: Blockchain Architecture | Linux | Operating Systems | Forensics | Solidity | Smart Contracts | Ganache | IPFS

- Gained in-depth expertise in cryptocurrency forensics using advanced **OSINT** techniques and successfully trained a team of **professionals**, leading to the development of a **comprehensive** one-stop forensic solution.
- Setup Cryptocurrency Full Nodes and Software on premises and maintained client relations globally.
- Worked on tracing in real life cases worth more than **USD 20 Million** in cryptocurrencies such as Bitcoin, Ethereum etc.
- Developed **management** and **teaching** skills by training individuals from various domains, including sales and development.

Cloud Intern | *Amazon Web Services (SLRTCE), India*

Jun 2022 – Jul 2022

Tech Stack: Operating Systems | Cloudfront | Amplify | IAM | WAF | EC2 | CI/CD Pipeline | Lambda | S3 | RDS | DynamoDB

- Completed a training internship in AWS Cloud Services at SLRTCE, focusing on deploying end-to-end solutions securely on the cloud, culminating in a project at the end of the program.

RELEVANT ACADEMIC PROJECTS

Medilog, A Blockchain Based Pharmaceutical Supply Chain System

Sept 2022 - May 2023

- Designed a blockchain based, end to end, pharmaceutical supply chain solution where prescription drugs can be traced right from the manufacturer through the pharmacies and to the end consumer using dynamic web application.

Crowdfunding for Engineering Startups using Blockchain and Smart Contracts

Aug 2021 - May 2022

- Developed a decentralized blockchain web application to assist new engineering startups in using the crowdfunding process.

Face Mask Detection & Attendance System

Sept 2020 - May 2021

- Used OpenCV to design an algorithm and model to determine whether a user is wearing a face mask based on live feed.

SKILLS AND CERTIFICATIONS

Professional certifications: AWS Academy Cloud Foundations, CCNAv7: Introduction to Networks, CCNAv7: Switching, Routing and Wireless Essentials, CCNAv7: Enterprise Networking, Security, and Automation, Python for Everybody

Programming Languages: Python, SQL/NoSQL, Java, Javascript, C/C++, Solidity, HTML, CSS, Bash Script, SASS

Framework & Libraries: Pandas, Web3, PyMongo, ReactJS/NextJS, ExpressJS, Truffle, Bootstrap, Mocha, TailwindCSS

IDE & Development Tools: Cloudflare, AWS, GCP, MongoDB, Flask API, Ganache, Git/GitHub, Slack, ElasticSearch

Relevant Skills & Coursework: Competitive Programming, Data Structures & Algorithms, Object-Oriented Programming (OOP), Blockchain Architecture, ETL Processes, Data Mining, Data Analytics and Visualization, Machine Learning, Operating Systems, Cloud Solution Designing, Software Engineering Principles, Relational Databases, Cryptocurrency Forensics

PUBLICATIONS

- Survey paper on “Face Mask Detection And Attendance System” in International Journal of Scientific and Research Publications (IJSRP) [paper-link](#) (Impact Factor value: 7.662)
- Paper on “Face Mask Detection and Attendance System” in International Research Journal of Engineering and Technology (IRJET) [paper-link](#) (Impact Factor value: 7.529)
- Paper on “Crowdfunding For Engineering Startups using Blockchain And Smart Contracts” in International Journal Of Research And Analytical Reviews (IJRAR) [paper-link](#) (Impact Factor value: 7.17)

PATENT

- **D Ein Blockchain-basiertes Medizinlogistiksystem** – (Granted), German Patent File No - 20 2023 102 823.3 , Date – 19 September 2023, [patent-link](#)