

Darsh Naresh Jain

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EDUCATION

University of Virginia | Charlottesville, VA, United States
Master of Science in Computer Science

Aug 2024 – Dec 2025

University of Mumbai | Mumbai, India
Bachelor of Engineering in Computer Engineering

Aug 2019 - May 2023
GPA: 3.70/ 4.00

PROFESSIONAL EXPERIENCE

Software Developer | *Lab Systems (I) Pvt. Ltd., India*

Aug 2023 – July 2024

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

- Designed and implemented **Scalable Cryptocurrency Forensics** and **Disk Forensics** software in **NextJS**.
- Designed **APIs and Backend Services** using **C++ and Python** to increase performance of software by multithreading.
- Managed the team as **Lead** optimizing workflows using Git and other tools and communicating design architectures.
- Streamlined deployment solutions using **DevOps on Cloud** and **Linux** servers by **Network Design & Containers**

Software Developer & Blockchain 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 developed software design on premises while maintaining client relations globally.
- Worked on tracing in real life cases worth more than **USD 20 Million** in cryptocurrencies such as Bitcoin, Ethereum etc.

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.

PATENT

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

RELEVANT ACADEMIC PROJECTS

Medilog, A Blockchain Based Pharmaceutical Supply Chain System

Sept 2022 - May 2023

- Developed Full-Stack Web application for tracking prescription drugs using Python, MongoDB, Solidity, and NextJS.

Crowdfunding for Engineering Startups using Blockchain and Smart Contracts

Aug 2021 - May 2022

- Engineered a decentralized crowdfunding platform with ReactJS and Solidity, ensuring secure funding processes for startups.

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, GraphQL, JavaScript, C/C++, Solidity, HTML, CSS, Bash Script, SASS

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

IDE & Development Tools: Cloudflare, AWS, Docker, MongoDB, Flask, Postman, Ganache, Git/GitHub, Slack, ElasticSearch, Figma, Hardhat, Rest APIs, Unit Testing, WAF, CI/CD, JIRA, Redis, Azure, MyFRT, Wireshark, Jenkins, Llama, GPT

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

PUBLICATIONS

- Survey paper on “**Face Mask Detection and Attendance System**” in International Journal of Scientific and Research Publications (IJSRP)
- Research Paper on “**Face Mask Detection and Attendance System**” in International Research Journal of Engineering and Technology (IRJET)
- Research Paper on “**Crowdfunding for Engineering Startups using Blockchain And Smart Contracts**” in International Journal Of Research And Analytical Reviews (IJRAR)