

# 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

GPA: 3.86/ 4.00

**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** web application in **NextJS**.
- Designed **APIs and Backend Services** using **C++ and Python** to increase performance of software by multithreading.
- Collaborated with a team as **Lead** optimizing workflows and issues using Git as well as **SCRUM** and designing 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 technical 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 with source code maintenance, 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

- Developed 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, Java, 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, Agile, HTTP

**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)