

Darsh Naresh Jain

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Education

University of Virginia, Charlottesville, VA

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 – Jul 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 and Flask.
- Developed APIs and backend services using C++ and Python to improve software performance with multithreading efficiently.
- Led a team to optimize workflows using Git, SCRUM methodologies, and architectural design to design solutions for clients.
- Streamlined deployment solutions using DevOps on cloud and Linux servers through network design and containerization.

Software Developer & Blockchain Intern | Lab Systems (I) Pvt. Ltd., India

Aug 2022 – Jul 2023

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

- Gained expertise in cryptocurrency forensics using OSINT skills, training a team to develop a comprehensive forensic solution.
- Set up cryptocurrency full nodes and designed software for on-premises deployments while maintaining global client relations.
- Worked on tracing real-life cases involving over USD 20 million in cryptocurrencies like Bitcoin and Ethereum successfully.

Cloud Intern | Amazon Web Services (SLRTCE), India

Jun 2022 – Jul 2022

Tech Stack: Cloudfront, Amplify, IAM, WAF, EC2, CI/CD Pipeline, Lambda, S3, RDS, DynamoDB, Containers

- Completed training of AWS Cloud Services, focusing on secure end-to-end cloud deployment with active filtering and monitoring.
- Delivered a capstone project demonstrating cloud solutions and its principles with robust scalable architecture on AWS.

Patent

D Ein Blockchain-basiertes Medizinlogistiksystem (Granted)

German Patent File No - 20 2023 102 823.3

Date: 19 September 2023

Relevant Academic Projects

Visual Room Interfaces

Aug 2024 – Dec 2024

- System using Stable Diffusion 3.5 large turbo to create real-time visualizations of environmental conditions from sensor data, simplifying raw data interpretation. Tech: Stable Diffusion, Python, Influxdb, Sensors.

EmoSync: Emotion-Adaptive E-Learning Interface

Aug 2024 – Dec 2024

- Real-time adaptive UI for e-learning platforms using emotion detection models (facial and voice analysis). Dynamically adjusted UI using color therapy and psychology. Tech: Python, Emotion Recognition Models, UI Design.

Medilog: A Blockchain-Based Pharmaceutical Supply Chain System

Sep 2022 – May 2023

- Developed a 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

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

Face Mask Detection & Attendance System

Sep 2020 – May 2021

- Designed an algorithm using OpenCV to detect face masks and integrated it into an attendance system with live feeds.

Skills and Certifications

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

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

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

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, Wireshark, Jenkins, Agile & HTTP

Relevant Skills: Competitive Programming, Data Structures & Algorithms, OOP, Blockchain Architecture, ETL Processes, Data Mining, Data Analytics, Operating Systems, Cloud Solution Design, Software Engineering, Cryptocurrency Forensics, Product Design, Human Computer Interaction, User Interface and Experience Design, Client Relations and Management