



## 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.
- 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.
- Deployed solutions in multiple architectures on **AWS Cloud** and on **Linux Servers** using **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 maintained 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.

## 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, GraphQL, 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, Docker, 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](#)