



## EDUCATION

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

*Present*

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

*May 2023*

*GPA: 3.70/ 4.00*

## PROFESSIONAL EXPERIENCE

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

*Aug 2023 – July 2024*

*Tech Stack: Blockchain | NextJS | Python | Git | Algorithms | C/C++ | SQL/NOSQL | Flask API | Data Structures*

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

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

*Aug 2022 – July 2023*

*Tech Stack: Blockchain Architecture | Blockchain Node | 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 Bitcoin Node, Ethereum Node and other architectures on premises and maintaining client relations.
- 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: Cloud Computing Services, Operating Systems, AWS CLI, EC2, CI/CD Pipeline, Git, Storage*

- Completed a training internship in AWS Cloud Services, 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, Java Script, C/C++, Solidity, HTML, CSS, Bash Script

**Framework & Libraries:** Pandas, Web3, PyMongo, ReactJS/NextJS, ExpressJS, Truffle, Matplotlib, Seaborn, SciPy

**IDE & Development Tools:** VS Code, AWS, MongoDB, Flask API, Ganache, Git/GitHub, MS Office, 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, Natural Language Processing, Artificial Intelligence, Big Data, 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](#)