Asjad Nirban

+1 (434) 882-4346 ♦ asjad.nirban@gmail.com ♦ LinkedIn: AsjadNirban ♦ GitHub: Asjad1007

EDUCATION

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

University of Mumbai | Mumbai, India   *May 2023*
Bachelor of Computer Engineering   *GPA*: 3.73/ 4.00

PROFESSIONAL EXPERIENCE

Software Developer Intern| *Crayon Infotech Pvt Ltd., India*   *Jan 2024 – Mar 2024*
Tech Stack: CodeIgniter | Laravel | Python | Git | Algorithms | C/C++ | SQL/NOSQL | Flask API | Data Structures
- Designed and implemented scalable **software solutions, optimizing performance** and **reliability** with modern practices.
- Integrated user-friendly **APIs** and third-party services to enhance functionality and user experience.
- Developed a machine learning model to extract and store relevant information from image prompts via a WhatsApp bot, automating the data storage process in a database.

Blockchain Research Intern | *Lab Systems Pvt. Ltd., India*   *Jul 2022 – Feb 2023*
Tech Stack: Blockchain Architecture | Blockchain Node | Hashing | 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
- 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
- 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*
- Employed 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 patient using MERN stack.

Automated Business Card Processor: Machine Learning & OCR-Powered WhatsApp Chatbot   *Mar 2024 - Mar 2024*
- Developed a machine learning model using Python and OCR libraries, integrated into a WhatsApp chatbot for automated database storage. The system processes images of visiting cards, extracting and storing details automatically.

Face Mask Detection & Attendance System   *Sept 2020 - May 2021*
- Employed OpenCV to design an algorithm and model to determine whether a user is wearing a face mask.

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, PHP, C/C++, Solidity, HTML, CSS,

Framework & Libraries: Pandas, Numpy, SQLite, ReactJS/NextJS, CodeIgniter, Laravel, Matplotlib, Seaborn, SciPy,

IDE & Development Tools: VS Code, AWS, MongoDB, Flask API, PowerBi, Git/GitHub, MS Office, JIRA,

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,

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