Aditya Mohan

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An accomplished Computer Science graduate student proficient in full-stack software development, eager to join a dynamic team, foster skill growth, and drive impactful projects through collaborative leadership and applied expertise.

EDUCATION

Georgia State University   **August 2023 - December 2024**
M.S. Computer Science   *GPA: 3.53/4.0*
Coursework: Advance Software Engineering, Advance Machine Learning, Data Security, Cybersecurity in IOT

University of Mumbai (Vivekanand Education Society's Institute of Technology)   **August 2018 - June 2022**
B.E. in Computer Engineering   *GPA: 3.5/4.0*
Coursework: OOP, Data Structures & Algorithms, Databases, Big data Analytics, Web development
Smart India Hackathon Winner 2022: Spearheaded team in developing Chromium extension for ASL, integrating AI for real-time sign language to English conversion, enhancing accessibility for speech-impaired individuals.

SKILLS AND CERTIFICATIONS

Languages: C/C++, Python, Java, JavaScript, TypeScript, HTML/CSS, LaTeX, Dart, Shell, SQL, PHP, NoSQL
Tools/Frameworks: Git/GitHub, Azure, Elasticsearch, Angular, React, Django, Nodejs, Unity, AWS, Flask
Libraries/Softwares Pandas, numpy, Matplotlib, Bootstrap, NLTK, Docker, Kubernetes, Webpack, OCR
Certifications: Certified AZ-900 (Microsoft Azure fundamentals)

PROFESSIONAL EXPERIENCE

Georgia State University | *Academic research under Dr. Haoxin Wang*   **September 2023 – Present**
Directed the creation of AR-enabled 3D models compatible with Microsoft HoloLens 2 at GSU's Advanced Mobility and Augmented Intelligence (AMAI) lab. Mentored students in computer science to develop blockchain-based voting system.

Larsen & Toubro Infotech (LTI) | *Senior Data Engineer*   **June 2022 – July 2023**
Created ***Git workflows***, developed data pipelines in ***Azure*** and performed database migration from Oracle SQL to Databricks for P&G Poland.
Utilized ***Snowflake*** and ***Tableau*** to streamline data processing and create interactive dashboards, enhancing data-driven decision-making for optimizing business strategies.
Performed testing using ***Playwright*** that covers key features, user interactions, and edge cases, ensuring all the critical paths and error handling are thoroughly tested.

Codes & Coffee Tech | *Intern, Full-Stack-Developer*   **February 2022 - May 2022**
Led full-stack development, integrating APIs with ***Flutter*** & JavaScript for an online inventory management system, while independently constructing APIs with Postman and ***Node.js*** for a news web app.

Reliance Industries Limited | *Intern, Security Intern*   **May 2021 - September 2021**
Deployed machine learning algorithms to detect anomalies and suspicious users in web server and firewall logs, bolstering cybersecurity at RIL's cyber defense center.

PROJECTS

Drafting Resume using ChatGPT | *Python, make, GPT, Latex, Tkinter, Git*   **November 2023**
Implemented a resume builder with OpenAI's GPT, converting informal inputs into formal job descriptions, easing content formulation for students. Enhanced with customizable templates for straightforward usage.

Google meet Chrome Extension | *Javascript, NoSQL, APIs, Mediapipe, Deep Neural Networks*   **September 2022**
Engineered a Chrome extension employing Deep Learning and MediaPipe technologies to facilitate communication through American Sign Language.
Mitigated high server CPU load by implementing late initialization and converting scripts to HTTP services, reducing CPU load from over 20 to under 1.

Smart Antivirus System | *ElectronJS, Yara, Flask, Shell, ReactJS, Webpack, Javascript, Python*   **January 2022**
Crafted an advanced antivirus solution collaboratively, integrating real-time monitoring, database querying, file analysis, and customizable settings using Electron and Python.

Scan4U | *Flutter, dart, Image Processing, ANN, AWS, OCR*   **May 2021**
Developed a mobile app hosted on AWS, boasting a Flutter frontend and Python backend, incorporating OCR and ANN techniques to extract text from videos and generate PDFs. App also features an inbuilt OCR scanner.