Srihaas Gorantla

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"Ambitious software developer with a strong academic background in computer science, skilled in full-stack development, mobile app creation, and machine learning, eager to leverage technical expertise and problem-solving abilities to deliver high-quality, scalable solutions as a junior developer."

Technical and Professional Skills

- **Programming Languages:** Python, JavaScript, Java, C#, C++, PHP, SQL
- **Web & Mobile Development:** HTML, CSS, React Native, REST APIs, Firebase, Flask, Laravel, Android Studio, Expo for Cross-Platform Development
- **Frameworks & Tools:** Git, GitHub, VS Code, Visual Studio, MAUI, NoSQL Databases, MySQL
- **Software Development Methodologies & Architectural Patterns:** Agile Methodologies, SDLC Cycle, Waterfall Methodology, MVVM, MVC
- **Machine Learning:** Transfer Learning, Neural Networks, Jupyter Notebooks, Data Preprocessing, Data Visualization, Model Evaluation, Hyperparameter Tuning
- **Other Tools & Software:** MATLAB, Figma, Adobe XD, Microsoft Office Suite
- **Operating Systems:** Windows, macOS, Linux
- **Languages:** Fluent in English, Hindi, Telugu

Professional Experience:

Full Stack Developer (Contract)
Absolute-Interpreting and Translating Ltd. - Birmingham, United Kingdom
June 2024 – August 2024

- Led full-stack development for NHS and other clients, by creating scalable APIs using PHP and Laravel.
- Developed REST APIs that improved booking efficiency by 25%, facilitating fast and reliable data exchange.
- Implemented cybersecurity protocols for API endpoints, ensuring compliance with NHS data protection standards.
- Optimized API's, resulting in a 30% increase in system performance and a 40% boost in client satisfaction.

Software Development Intern
Progressive Technologies (PRO TECH) - Hyderabad, India
December 2022 - September 2023

- Developed Python-based IoT solutions for real-time data monitoring, supporting over 1,000 users and reducing data retrieval time by 25%.
- Led a team of 5 in requirement analysis and UI/UX design, increasing team productivity by 30%.
- Implemented real-time communication using MQTT protocols (HiveMQ and Mosquitto), enhancing data processing speed by 20%.
- Conducted code reviews and established testing procedures, reducing reported bugs by 40%.
  Achievements: Received Turing Funding for international placement.

Education

Bachelor of Science (Hons) in Computer Science
Coventry University, Coventry, United Kingdom
Graduation: July 2024
Grade: 2:1 (UK Grading System)

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Web and Mobile App Development, Object-Oriented Programming, Machine Learning, Big Data Programming, Artificial Intelligence.

Projects:

- **Real-Time Sign Language Translation Dissertation Project**
  Tools: Python, TensorFlow, Transfer Learning
  Developed a real-time sign language translation system utilizing transfer learning techniques. Achieved 90% accuracy, with potential applications in wearable technology for accessibility.

- **MAUI Task Management App**
  Tools: .NET MAUI, C#
  Created a task management app with geolocation-based notifications, improving productivity by 25%. Leveraged .NET MAUI for cross-platform functionality, ensuring a seamless user experience on both iOS and Android.

- **Bill-Splitting Android Application**
  Tools: Android Studio, Java, Firebase
  Built an Android app that helps users split bills and track expenses, used by over 500 users. Improved transaction accuracy by 15% through real-time data synchronization with Firebase.

- **E-commerce Platform with Laravel**
  Tools: Laravel, PHP, MySQL, HTML, CSS, Bootstrap
  Developed a scalable e-commerce platform supporting secure transactions, user authentication, and product management. Focused on backend optimization, resulting in 20% faster load times compared to similar platforms

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Extracurricular Activities

• **Students' Union Project Placement:** Conducted research on student satisfaction with both on-campus and off-campus classes. Gathered data through surveys, presented findings to faculty, and proposed actionable changes to enhance curriculum and teaching methods.

• **Royal Australian Chemistry** Quiz: Achieved distinction, ranking in the top 10%.

• **Electronic Music Creation:** Produced original music, achieving over 1,000 plays online.

• **Puzzle Solving:** Mastered Rubik's cubes, consistently solving in under 1 minutes.

• **Culinary Enthusiast:** Experimented with over 100 recipes from various global cuisines