Ranjeth Ravichandran

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Professional Summary

I am a driven individual who has a knack for programming and analytical problem solving. I have garnered technical experience through personal projects as well as tackling certifications & courses alongside my degree in Computer Science. I am seeking an entry level position within the tech industry while continuing to learn and improve my skills.

Education

University of Reading | Reading, Berkshire | Sep 2020 – Jun 2024
BSc in Computer Science, First Class with Honours (1st)

Final Year Project - Educational Learning Platform | May 2024
Technologies: React, Python, MongoDB, REST API, CRUD
Developed an interactive platform featuring an AI-powered chatbot for personalised study assistance.
Built secure user blogs with CRUD operations and quizzes, integrated custom IDE for coding challenges.

Technical Skills

- Programming: Python, Java, JavaScript, SQL, HTML5, CSS3
- Web Development: React.js, Node.js, REST API, CRUD operations
- Data Science: Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow, Matplotlib, Tableau
- Databases: MySQL, MongoDB, PostgreSQL
- Tools: Git, Linux, Jupyter Notebooks, Electron

Technical Projects

Self-hosted Websites using Raspberry Pi 4
Technologies: Raspberry Pi 4 (Raspbian OS), DNS, JavaScript, Node.js, Multer | Completion Date: In Development
Designed and deployed a full-stack, self-hosted web application using a Raspberry Pi 4 (4GB) as a personal server. Built a responsive web interface enabling users to upload, retrieve, and manage files securely.

Personal Dashboard Application
Technologies: Electron, JavaScript, Node.js, REST API, CRUD | Completion Date: February 2025
Developed a desktop application using web technologies using Electron, implementing features such as Spotify Music, Daily weather, Motivational Quote Generation, Habit Tracker.

League of Legends Profiler
Technologies: React, JavaScript, League API | Completion Date: October 2024
Developed a real-time web application integrating the League API to fetch and display player statistics and match history.
Optimised user experience through interactive charts and responsive design, resulting in increased user engagement.

Data Science Salary Predictor
Technologies: Python, Pandas, Scikit-learn | Completion Date: January 2024
Designed and deployed a machine learning model to predict salary ranges for new hires based on experience and education, achieving a 90% accuracy.

Work Experience

Team Member, Greggs | Feb 2023 – Dec 2024
- Provide excellent customer service to approximately 300+ customers daily in a fast-paced retail environment.
- Help resolve customer queries and handle complaints professionally, demonstrating communication and problem solving.

Certifications

Skyscanner Software Engineering Job Simulation Feb 2025
Developed an Android app to display flight itineraries with Backpack.

Commonwealth Bank Software Engineering Job Simulation Feb 2025
Created a responsive web page using HTML/CSS &Gained knowledge in financial cybersecurity and web hosting security.