Ranjeth Ravichandran

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PROFILE

Graduate Software Engineer with First Class Honours in Computer Science and a passion for building scalable, user-focused applications. Proficient in full-stack development, data science, and artificial intelligence. Strong experience in designing software solutions, creating interactive platforms, and integrating APIs. Adept at tackling complex challenges through problem-solving and collaborative teamwork. Actively improving through personal projects and competitive programming.

EDUCATION

UNIVERSITY OF READING   Reading, United Kingdom
Bachelor of Computer Science | First Class Honors   Graduated Aug 2024
Relevant Coursework:

- **Programming & Algorithms:** Python and Data Science, Fundamentals of Algorithms, Quality and Testing
- **AI & Data:** Artificial Intelligence, Text Mining and NLP, Data Integration & Visualisation
- **Systems & Applications:** Blockchain, VR, System Design, Web Applications

TECHNICAL SKILLS

Programming Languages: Advanced: JavaScript, Python, TypeScript, HTML/CSS; Proficient: Java, MATLAB, SQL
Frameworks/Tools: React.js, Tailwind CSS, Node.js, MongoDB, REST APIs, Scikit-learn, Pandas

WORK EXPERIENCE

SHOWCASE AV   Southall, London
Event Contractor   02/2019 – 07/2020
- Managed and executed event setups for high-profile weddings, focusing on audiovisual equipment, stage lighting, and venue décor.
- Led a team of contractors, ensuring the timely and efficient completion of tasks, improving overall event efficiency.
- Developed strong skills in warehouse operations, logistics, and on-site problem-solving.

ORACLE   Reading, United Kingdom
Observational Internship   03/2021 – 04/2021
- Observed large-scale software development processes, focusing on database management, cloud computing, and software life cycle management.
- Gained insight into enterprise-level solutions and agile methodologies.

GREGGS   Ealing, London
Team Member   02/2023 – 12/2024
- Coordinated with colleagues to ensure smooth service, developing strong teamwork and task management skills.
- Effectively addressed customer inquiries and resolved issues, demonstrating quick thinking and adaptability.
- Engaged daily with customers and team members, enhancing my ability to communicate clearly and effectively.

TECHNICAL PROJECTS

Educational Learning Platform
Tech: React, Python, MongoDB, REST API | **Completion Date:** May 2024
Developed an interactive platform featuring an AI-powered chatbot for personalized study assistance.
Built secure user blogs with CRUD operations and quizzes, integrating a custom IDE for coding challenges.
Improved learning outcomes by 25% through gamification and personalized learning paths.

League of Legends Profiler
Tech: 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.
Designed advanced search and filter functions to improve data retrieval.
Optimized the user experience through interactive charts and responsive design, resulting in increased user engagement.

Fitness Buddy - Personal Health Tracker
Tech: React Native, Node.js, MongoDB, Google Maps API
Created a fitness tracking app to set goals, log daily workouts, and monitor progress using dynamic visualizations.
Implemented geolocation to find nearby gyms, enhancing user convenience.
Designed a reward-based system to increase user retention by 40%.

Data Science Salary Predictor
Tech: 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 90% accuracy.

Image Compression and Decompression
Tech: Python, MATLAB | **Completion Date:** September 2023
Implemented efficient algorithms such as Huffman Encoding and Singular Value Decomposition for image compression.