Ranjeth Ravichandran

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PROFILE

Recent Computer Science graduate with first-class honours seeking to start my career in tech, particularly in Software Engineering or as a Data Scientist. Experienced in full-stack development, both front-end and back-end, with proficiency in data analysis and artificial intelligence.

EDUCATION

UNIVERSITY OF READING — Reading, United Kingdom
Bachelor of Computer Science — Graduated Aug 2024
Major in Computer Science; Minors in Statistics
First Class Honors
Relevant Coursework: Python and Data Science, Quality and Testing, System Design, Artificial Intelligence, Blockchain, Fundamentals & Algorithms, Data Integration and Visualisation, Image Analysis, Text Mining and NLP, VR, Web App

WORK EXPERIENCE

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.

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.

BT GROUP — London
Insight — 04/2019 – 05/2019
- Engaged in workshops on network engineering and cybersecurity within the telecommunications sector.

GREGGS — Ealing, London
Team Member — 02/2023 – Present
- 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 — 05/2024
(React, Python, Tailwind CSS, MongoDB, SQL, REST API)
- Developed an interactive learning website with quizzes, an AI-powered chatbot for personalised support, a secure user blog, and an integrated IDE for coding challenges, enhancing user engagement and hands-on learning.

DATA SCIENCE & MACHINE LEARNING PROJECT — 01/2024
(Python, Pandas, Scikit-learn, Seaborn)
- Built a classification model to automate salary categorisation for new hires, reducing negotiation time by 25%.
- Trained the model on employee data, achieving a 90% accuracy rate in predicting salary ranges based on experience and education.

IMAGE COMPRESSION AND DECOMPRESSION — 09/2023
MATLAB, Python
- Implemented image compression and decompression algorithms, including Discrete Cosine Transform (DCT), Huffman Encoding, and Singular Value Decomposition (SVD).

LEAGUE OF LEGENDS STATISTICS APPLICATION — 10/2024
React, JavaScript, League API
- Developed an interactive application with React, leveraging the League API for dynamic data retrieval and display.
- Improved search and filter functions, enhancing data retrieval speed and user experience.

Technical Skills: Advanced in Javascript, Typescript, HTML/CSS, Python; Proficient in Java, MATLAB, SQL