

# 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)

### Key Modules

- Programming & Algorithms: Python and Data Science, Fundamentals of Algorithms & Data Structure
- Artificial Intelligence: Machine Learning, Text Mining and NLP, Data Integration & Visualisation
- Software Engineering: Quality and Testing, System Design, Web Applications
- Emerging Technologies: Blockchain, Virtual Reality

### 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

### 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.

### Wedding Event Setup and Audio-Visual Contractor, Showcase Weddings | Feb 2019 – Sep 2019

- Developed strong skills in warehouse operations, logistics, and on-site problem-solving.
- Supervised event setup teams, delegated tasks efficiently, and ensured timely project completion.

## 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.