

Guruttam Sivakumar Vijayalakshmi

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Summary

BSc Computer Science (Artificial Intelligence) student with a strong foundation in software development, AI technologies, and data analysis. Experienced in implementing full-stack solutions and AI-driven projects. Seeking a Software Developer role to leverage my technical skills and contribute to innovative software projects.

Education

Brunel University London

London, UK

BSc Computer Science (Artificial Intelligence)

Sept 2020 – June 2024

- Relevant coursework: Software Engineering, Artificial Intelligence, Advanced Topics in CS, Digital Media and Games
- Final Year Project: Tip-Of-Tongue Known Item Retrieval for Movies

Projects

Tip-Of-Tongue Known Item Retrieval for Movies

- **Github Link:** <https://github.com/Guruttamsv/Tip-of-the-Tongue-Known-Item-Retrieval-Chatbot-Customised-for-movies>
- Developed a complex retrieval system using Python and machine learning techniques
- Implemented autoencoder architecture and text vectorization for efficient data processing
- Integrated Llama2 model using the Langchain framework for advanced natural language processing
- Designed and implemented algorithms for accurate movie retrieval based on user queries

Sustainable Clothing Shopping Website

- **Github Link:** <https://github.com/Guruttamsv/Sustainable-Online-Shopping>
- Built a full-stack web application using VanillaJS for frontend and NodeJS for backend
- Implemented user review functionality, involving data collection and analysis
- Utilized Agile methodology with backlogs and weekly sprints for efficient project management

Live Horse Betting Website (Using Django) – High School Project

- **Github Link:** <https://github.com/Guruttamsv/Live-Horse-Betting>
- Led a team project to develop a dynamic betting website using Django framework
- Focused on robust backend functionality and intuitive frontend UI design
- Achieved an A+ grade for the project

Advanced Calculator – Year One Group Project (Undergraduate)

- **Github Link:** <https://github.com/Guruttamsv/Calculator>
- Collaborated on developing an advanced calculator application with GUI using Java Swing
- Implemented complex mathematical functions and user-friendly interface
- Received 3rd Prize for the best User Interface

Experience

Software Development & Quality Assurance Intern

Transputec Ltd

Sept 2022 – June 2023

- Designed and implemented automated test cases using industry-standard tools, increasing test coverage by 85%
- Led a team of four interns in developing comprehensive test plans and executing software testing strategies
- Identified and documented over 100 software defects, demonstrating strong analytical and problem-solving skills
- Created detailed Visio flowcharts to visualize and document complex software processes
- Contributed to software development tasks in an Agile (SCRUM) environment

Skills

- **Programming Languages:** Python, Java, C#, JavaScript, SQL
- **Web Technologies:** HTML, CSS, React, Angular, Node.js, Django
- **Software Development:** OOP, Design Patterns, TDD, Unit Testing, Integration Testing
- **Data Science & AI:** Machine Learning, Deep Learning, Neural Networks, TensorFlow
- **Tools & Frameworks:** Git, Visual Studio Code, PyCharm, Eclipse IDE, Spyder
- **Project Management:** Agile (SCRUM), Waterfall Methodology

Achievements

- Brunel+ Awards: Bronze
- 2nd place in First year coding contest (UKIEPC)
- Participant in Euro 2020 Chelsea Challenge 2.0, Chelsea FC Foundation

Certifications

- Bright Network: Completed Google Coding Challenge
- Tech Allies Network: Completed IBM Design program