Nithish Kumar Megarajan

Graduate Software Engineer from the University of Strathclyde

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Summary

Recent graduate with a robust foundation in mathematics and logic, cultivated from an early fascination with computers. Translating this innate curiosity into a fervour for Software Engineering, I achieved academic excellence at the esteemed University Of Strathclyde. Bolstered by a rewarding Industrial Placement, I am poised to infuse the digital landscape with innovation and technical acumen.

Projects

Boston Metro System – (JAVA)

- This project stands as an intricate Java-based endeavour, meticulously crafted as an integral component of the CS 308 curriculum.
- Our collaborative team undertook the challenge of conceptualising and actualising a simulation centred around the intricacies of the Boston Metro System.
- Our emphasis lies in faithfully emulating the System's multifaceted functionalities, intricate route networks, and dynamic responses within a spectrum of contextual variables.

2048 Sliding Tile Game – (PYTHON)

- In the realm of computer games, the ever-engaging 2048, conceived by Gabriele Cirulli in March 2014, presents an intriguing Sliding Tile challenge.
- The primary goal involves skilfully merging tiles, initially 2's and 4's, with the aim of reaching the revered 2048 Tile.
- Here, the task was to fashion an AI player capable of navigating the Game adeptly, striving for the highest conceivable score.

ALL OTHER PROJECTS CAN BE VIEWED IN MY GITHUB*

Experience

SMT, INDIA (REMOTE)

Software Engineer (Intern)   2021-2022

- Streamlined user support by responding to inquiries within Web Apps and CRM using AI, reducing reliance on human agents.
- Enhanced system efficiency by designing Python scripts and stored procedures, optimising data retrieval and processing.
- Applied LSTM recurrent neural networks to classify user input, elevating analytical skills and contributing to responsive AI-driven interactions.

I garnered over four years of valuable experience in the hospitality sector in Glasgow during my University tenure, skilfully balancing academic pursuits with part-time engagement to meet my daily requisites.

Skills

Java, J2EE Technologies, Python, Django, JavaScript, TypeScript, React, MongoDB, AWS, RESTful, Spark Git, GitLab and Agile.

Education

University OF Strathclyde — Glasgow, UNITED KINGDOM

Bachelor of Science: Software Engineering   Sep 2019 – Aug 2023

- Direct Entrant to Year 2 of the Degree.
- Industrial Placement in Year 4 of the Degree.

Key Courses: Algorithms, Data Structures, Software Development Process, Design Pattern, Databases, Web Programming & Agile Methods.