

# Nithish Kumar Megarajan

## Final Year Software Engineer from the University of Strathclyde

<https://nithishk.com/>

[nithishkmegaraj05@gmail.com](mailto:nithishkmegaraj05@gmail.com)

<https://github.com/NithishK5>

<https://www.linkedin.com/in/nithish-kumar-megarajan-2a17b31b4/>

+44-7949162396

Glasgow

---

### Summary

Final Year Student with a solid grounding in mathematics and logic, developed through a lifelong passion for computers. Channeling this intrinsic interest into a focus on Software Engineering, I am currently achieving academic excellence at the esteemed University of Strathclyde. Augmented by a valuable Industrial Placement, I am gearing up to make impactful contributions to the digital landscape through innovation and technical expertise.

---

### 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 – May 2024

- 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.