

Sohan Channiganathota

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EDUCATION

University of Surrey

Guildford, UK

Bachelor of Science (Hons) in Computer Science

2023 - 2026

- Predicted **First Class** with a strong overall first year score of **77.38%**
- Awarded **Dean's List and Dean's Commendation** for top academic performance
- Relevant Modules: Software Eng., Prog. Fundamentals, Data Structures & Algorithms, OS, Web & Databases

Reading School

Reading, UK

A-Levels and GCSEs

2017 - 2023

- 3 A-Levels - Maths, Further Maths, Computer Science. Achieved an **A** in Computer Science and Maths
- 10 GCSEs, including a **9** in Computer Science and Mathematics

EXPERIENCE

Software Engineering and Analyst Internship

London, UK

Glencore

06/2022 - 07/2022

- Collaborated with a software team, engaging in software development and deployment, using Git, Octopus, Jenkins
- Worked with the trading team to analyse commodity trading data, gaining an understanding of market dynamics
- Provided support with the IT help desk, resolving issues utilising the JIRA ticketing system and Confluence
- Setup company laptops, managing system configuration, user accounts, and network access in accordance with the company's IT security standards
- Visited Glencore's data centre, gaining insights into server and network infrastructure

Software Developer and Founder

Reading, UK

neptunebot.tech (Dissolved)

06/2020 - 09/2021

- Created a 3rd party asynchronous tool to automate repetitive tasks on the Discord platform using Python
- Built a UI using C# .NET and the Guna Framework. Used named pipes to relay information between the UI and the backend
- Developed an API with Flask to log information for data analytics
- Shifted the project from locally run to a SaaS model, boosting sales
- Rewrote backend in GoLang improving performance by over 80% in specific tasks
- Engineered, maintained and operated the website and responded to customer support tickets

Software Engineering Internship

Belfast, UK

Kainos

04/2022 - 05/2022

- Reinforced knowledge of HTML, CSS, JavaScript and software development methodologies
- Introduced to machine learning, leading to independent research and model building

Engineering and Technology Internship

Manchester, UK

Siemens

04/2022 - 05/2022

- Gained knowledge in software engineering principles, SDLC, and emerging tech (AI, IoT, cloud)
- Explored the intersection of digital marketing, legal, and finance with software development

PROJECTS

Flag Detection Model | *Python, Flask, React, SQL*

- Developed a machine learning model to detect country flags achieving an 85% accuracy
- Built a data scraper with Selenium and a data aug-menter using mathematical concepts
- Used React to develop a front-end for the user

Image Angel | *Python*

- Automated the scanning of randomly uploaded im-ages from sites like prntscr.com and imgur.com
- Utilising AI models to detect inappropriate or harm-ful content in the images
- Building a system to automate reporting

TECHNICAL SKILLS

Languages: Python, Java, C/C#, GoLang, SQL, JavaScript, TypeScript, HTML/CSS

Frameworks: React, Node.js, Flask, JUnit

Developer Tools: Linux, Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse