

ALEX GODWIN

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Second-year computer science undergraduate with a passion for technology and practical skills, seeking a placement to apply and expand my knowledge. Eager to contribute and adapt in a dynamic industry.

Education

University of Surrey – BSc Hons in Computer Science

Sep 2022 – Present

- First Year Average – **86%** (Expected First)
- Courses : OOP in Java, Data Structures, Advanced Calculus, Artificial Intelligence
- Vice President of CompSoc, Runnersup GenAI Hackathon, Student Ambassador

Skills

Languages : Java, JavaScript, Python, C++, PHP, Assembly

Technologies: Django, Pandas, ReactJS, MySQL, Azure, Git, MongoDB

Professional Experience

Data Science Intern – Data Glacier

Jul 2023 – Aug 2023

- Successfully completed the final project which is to work with an e-commerce dataset to segment customers based on their purchase behavior **using Pandas**.
 - Gathered a comprehensive e-commerce dataset for customer purchase history.
 - Created new features, such as customer recency, frequency, and monetary (RFM) metrics.
 - Employed data visualization libraries to create visualizations and to present the findings.
- The project aimed to increase the company's customer purchase behavior potential by a **40%** by driving higher sales, customer engagement, and loyalty.

Lab Demonstrator – University of Surrey

Sep 2023 – Present

- Provided one-on-one and group assistance to over **200 first-year students** in understanding and solving Java programming challenges.
 - Effectively **communicated** complex technical concepts in a clear and accessible manner.
 - Guided students in resolving coding issues, debugging, and troubleshooting Java programs.
 - Received **positive feedback** from students and peers for exceptional support during the labs.

Projects

Blog Website – Created a blog website using **Django**, where I designed and developed a user-friendly platform that enables content creation, publication, and interaction with readers.

Morse Code Decoder – Coded using **Assembly** Language in the **RaspberryPi** Environment to create a Morse Code Decoder, that converts the input morse code symbols into characters and display them on a 7 segment Display.

Data Analysis – I conducted a comprehensive data analysis project using **Pandas** and **Matplotlib**, focusing on business sales data. I performed data cleaning, organization, and extraction of key insights from extensive datasets

Interests

Videography • Football • Crypto Trading • Public Speaking • User Interfaces • Fitness