

# Shuban Thoppe

Dublin, Ireland | Gmail | 089 975 4687 | Portfolio Website | LinkedIn | Github

## Education

---

**Trinity College Dublin**, BS in Computer Science

Sept 2023 – May 2027

- 1st Year Grades: 1H - First Class Honors
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

**Institute of Education Dublin**, Leaving Certificate

Sept 2023 – May 2027

- Points: 613 / 625
- Received H1's in Math, Biology, Chemistry, Economics, Accounting and a H2 in French

## Experience

---

### Tournament Bracketing System

- Currently working alongside Nativz Gaming to create a Tournament Bracketing System to aid in their organising and running of esports events.
- Tools Used: Git, React Remix, Typescript

## Projects

---

### Commercial Flight Data Visualization and Analysis Tool

- Developed an interactive Java application to visualize commercial flight data from the US Bureau of Transportation Statistics, handling data sets up to 537,000 entries.
- Utilized Java Processing and giCentre APIs to create dynamic visualizations, including bar charts, line charts, scatter plots, and pie charts.
- Integrated visualizations of geographic data on both 2D and 3D platforms, enabling users to track flight paths throughout the United States, which improved user insight and accuracy in decision making 20%.
- Tools Used: Java Processing

### Automated Twitter Bot

- Developed an automated Twitter bot using Python and Tweepy to post inspirational quotes scraped via BeautifulSoup and random images from the internet.
- Designed a robust system for dynamic content generation, including error handling and rate-limiting for continuous operation.
- Tools Used: Python

### South Asian Events Website

- Built a website to aid Trinity South Asian society in displaying events and general information about the society to encourage diversity and inclusiveness. Currently in development to be in use for the Trinity Muslim Student Association too.
- Tools Used: HTML, CSS, Javascript

### Portfolio Website

- Designed and developed a responsive portfolio website to showcase my skills, projects, and experience as an aspiring software developer.
- Integrated interactive elements like downloadable CVs, social media links, and project demos to provide an engaging user experience.
- Tools Used: Kaboom.js

## Technical Skills

---

**Languages:** HTML, CSS, C, Java, VHDL, Kotlin, ARM Assembly, JavaScript

**Technologies:** Git, VSCode, Eclipse, Android Studio, Vivado