SHUBAN THOPPE

2nd Year Computer Science Student

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☆ Trinity College Dublin

EDUCATION

Studying B.A in Computer Science   08/2023 - 05/2027
Trinity College Dublin
- (Moderatorship) Honors Bachelor's Degree and a M.C.S. in Computer Science
- Received an average grade of 1H - First Class Honors, for the First Year and recieved an award in recognition.

Leaving Certificate   08/2021 - 06/2023
Institute of Education Dublin
- Achieved 613, in the Leaving Certificate, receiving H1's in Math, Biology, Chemistry, Economics, Accounting and a H2 in French

PROJECTS

Commercial Flight Data Visualization and Analysis Tool   03/2024
Java Processing
- Developed an interactive Java application to visualize commercial flight data from the US Bureau of Transportation Statistics, handling datasets up to 537,000 entries using multithreading.
- Utilized Java Processing and giCentre APIs to create dynamic visualizations, including bar charts, line charts, scatter plots, and pie charts.
- Integrated geographic data visualizations on both 2D and 3D platforms using points on height maps, enabling users to track flight paths across the USA.

Automated Twitter Bot   06/2024
Python
- Built 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.

GAA ScoreBoard Android App   09/2024
Kotlin, Jetpack Compose
- Designed and developed a dynamic, user-friendly Android app using Jetpack Compose to track live Gaelic Athletic Association (GAA) scores, enabling real-time score updates for teams.
- Implemented state management and interactive UI components to allow users to record team scores, goals, and points with an intuitive interface.
- Used by my own sporting managers and coaches to track team performaces in matches.

EXPERIENCES

Private Tutor
- Provided personalized tutoring in Math and Science, helping several students achieve significant academic improvements, including increases of up to two letter gtrades.
- Developed tailored lesson plans to address individual learning needs, while leveraging technology to enhance engagement in both online and in-person sessions.

ABOUT ME

I am a Second-Year student studying Computer Science in Trinity College Dublin, seeking a 3-month internship/work from June to August. I am a Highly Motivated and Fast Learner seeking a challenging opportunity to leverage my skills and experiences in a dynamic tech related environment. I approach every task with determination and dedication, consistently striving for success. I firmly believe that my proactive attitude and adaptability make me an asset to any team. I'm passionate about learning and spend my free time exploring diverse subjects. I particularly enjoy coding, constantly expanding my skills and tackling new projects.

SKILLS

Languages:
ARM Assembly · C · Kotlin · Java · Java Processing · Python · Jetpack Compose

Developer Tools:
Git · Docker · VS Code · Eclipse · Android Studio · Firebase

Currently Studying (College):
UML · XML · VHDL · R

PASSIONS

◈ Gym

◈ Gaelic football

◈ Hurling

◈ Bouldering