Jedidiah Shaji | Computer Science Student

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Professional profile

I am a final-year student at the University of Bolton, on track to attain a first-class Bachelor of Science (Honours) in Computer Science. My passion for technology and commitment to academic excellence have provided me with a solid foundation in programming. Throughout my studies, I have honed my problem-solving abilities and developed proficiency in modern development frameworks. Skilled in time management and multitasking, I effectively collaborate with teams and stay informed of the latest industry trends. Eager to make a meaningful impact in the field of computer science, I am prepared to bring my knowledge and skills into the professional world.

Education & qualifications

➢ **University of Bolton**   **2022 - 2025**
BSc (Hons) Computing

➢ **Senior High School, Technical Higher Secondary School, IHRD**   **2018 - 2020**
Successfully completed senior high school education with a curriculum emphasizing Computer Science, Physics, Chemistry, Mathematics, English, and a specialization in Electronics, earning an overall academic average of 72%

➢ **Secondary Education, Good Shepherd English Medium School, ICSE**   **2017 - 2018**
Hold a secondary school certificate with a focus on Science, Mathematics, Computer Science, English, Hindi, History, Civics, and Geography, earning an overall percentage of 70%.

Academic Projects/ Work Experience

March 2024 – April 2024   **Project: Question Answering Model with BERT implementation.**

- Developed a BERT-based question answering system to enhance interactions within anime-focused content, using Python and the Simple Transformers library.
- Managed data processing and model training on a dataset personally made which composed of anime transcripts and scientific concepts.
- Demonstrated high accuracy in predictive modelling, successfully interpreting and answering complex queries related to anime narratives and science concepts.
- Language Used: Python
- Tools/Resources Used: Google Collab, Simple Transformer library.

February 2023 - May 2023   **Project: Information System Analysis and Design**

- Conducted a comprehensive feasibility study for the proposed system, presenting possible alternatives and recommendations.
- Justified the selection of appropriate information gathering techniques.
- Derived functional and non-functional requirements with supporting arguments.
- Presented a high-level solution for the case study with supporting new diagrams.
- Explained the chosen life cycle model with justification and suggested alternative models if needed.
- Tools/Resources Used: C4 Diagrams and Visual Paradigm Online

November 2022 - January 2023   **Project: Modern Application Development Project**

- Designed and developed a modern application for interactive corridor displays.
- Implemented a user-friendly interface with a focus on ease of content management.

- Integrated an authentication and authorization system for admin users.
- Conducted comprehensive testing and documented the results.
- Language Used: C#
- Tools/Resources Used:
  Visual Studio 2022 IDE,
  ASP.NET Blazor (UI development),
  ASP.NET Identity (Authentication and Authorization),
  ASP.NET Web API (RESTful API creation),
  Postman (Development and testing of RESTful endpoints),
  MS SQL Server (Database).

November 2022 - January 2023   Project: Entrepreneurship Support System Development

- Formulated UML diagrams, including activity, use case, sequence, and class diagrams.
- Developed a prototype application based on specified requirements.
- Utilized an incremental software development approach.
- Documented alternative development strategies and techniques considered, with justifications.
- Conducted iterative testing to ensure system functionality.
- Language Used: Python
- Tools/Resources Used: VSCode IDE, Git bash, SQLite3 (for database)

October 2022 - November 2022   Project: Design and Implementation of a Database

- Developed a relational data model and ERD diagram with accuracy and efficiency.
- Proficient in executing various data techniques to achieve desired outcomes.
- Expert in producing SQL Data Definition Language (DDL) and SQL Data Manipulation Language constructs to implement a relational data model and to support business solutions.
- Language Used: MySQL
- Tools/Resources Used: MySQLWorkBench

March 2022 - May 2022   Project: Lending Library Application Development

- Created a program implementing given library system user requirements.
- Developed a UML class diagram using Violet UML editor.
- Produced Javadoc documentation accurately with Eclipse documentation tool.
- Designed and implemented a testing class for library functionality with documented Javadoc.
- Language Used: Java
- Tools/Resources Used: Eclipse IDE, Voilet UML Editor

March 2022 - May 2022   Project: SysOps Scripting

- Developed an offsite backup solution utilizing FTP daemons, specifically vsftpd.
- Ensured communication feasibility using nmap to the designated port.
- Implemented automatic execution of the backup script using cron.
- Language Used: Bash (Shell Scripting)

Skills and Interests

Skills – Adaptability, Time Management, Attention to Detail, Python, SQL, MySQL, C#, Java

Strengths – Analytical Thinking, Problem Solving, Team Collaboration, Technical Knowledge

Interests – Reading, Coding, Gym, Photography, Polyglotism, Basketball, Music