FARHEEN BOOSARY

SOFTWARE ENGINEER

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SUMMARY

Highly motivated and skilled software engineering graduate with **one year industrial experience** and a solid understanding of various tech stacks. Eager to leverage my technical expertise and problem-solving abilities to contribute to a dynamic software development team. Possess a strong foundation in software engineering principles, coupled with a passion for learning and staying up-to-date with emerging technologies.

EDUCATION

Informatics Institute of Technology   *Colombo, Sri Lanka*
BEng (Hons) in Software Engineering   *Jan 2019 - Nov 2022*

- Grade: **First Class Honours**
- CGPA Percentage : **81.22%**

Sacred Heart Convent   *Galle, Sri Lanka*
High School   *Jan 2005 - Sep 2018*

- G.C.E A/L - Physical Science Stream - Passed

WORK EXPERIENCE

Entgra (Pvt) Ltd   *Colombo, Sri Lanka*
Software Engineer Intern   *July 2020 - July 2021*

- Completed a **one year internship** as a **full stack developer**.
- Worked on both **React frontend** and **Java backend** of the Entgra Core IOT server.
- Developed the windows enterprise app installation feature for both publisher and store portals.
- Assisted in the design and development of the Entgra windows agent frontend.
- Designed and developed an API in the windows agent to:
    - Detect background and foreground applications running on client windows devices.
    - Send reports on those running applications to the Core IOT server.
- Conducted code reviews for implementations.
- Overall contributed to feature development, improvements and bug fixing of relevant projects.
- **Tech Stack utilized:** React, Java, MySQL, Maven, Ant Design, C#, REST APIs, Linux/Unix tools, Git, Gitlab
- **Soft Skills utilized:** Teamwork, Time Management, Communication, Documentation, Presentation skills.

PROJECTS

A Novel Abstractive Text Summarization Approach For Lecture Content
Final Year Individual Research Project   *Oct 2021 - Aug 2022*

- Developed a lecture summarizer to produce abstract, informative summaries from lecture videos.
- Generated summaries capturing the core information of the provided lecture video.
- Utilized state-of-the-art deep NLP algorithms including GANs, Transformers, and Pointer generator network.
- Resulted in a web application prototype that allows users to embed lecture video links and outputs abstract summaries based on the video content.
- **Technical Skills:** React, Tensorflow, Keras, Fast API, Git, Github,Google Colab

ICURE: Breast Cancer Possibility Prediction System
Second Year Group Project   *Sept 2019 - Apr 2020*

- Designed using supervised machine learning to predict the likelihood of breast cancer occurrence in Sri Lankan women.
- Contributed to the deployment of a deep neural pre-trained model using the Flask framework.
- Assisted in the development of REST APIs with Node.js and Express.js to access model results.
- **Technical Skills:** : React Native, Tensorflow, Keras, Python Flask, Node.js, Express.js, MongoDB, Git, Github, Jupiter

Vehicle Rental Management System

Individual Project   *2019*

- Developed a comprehensive system catering to both vehicle rental managers and users.
- **Functionality for Managers**:
  - Add vehicles to the store
  - Delete vehicles from the store
- **Functionality for Users**:
  - Reserve vehicles from the rental store based on availability and scheduled dates.
- **Critical Features**:
  - **Database Design with ER Diagrams:** Structured the database to capture essential entities like vehicles, users, reservations, and managers. The ER diagrams visually represented relationships between these entities.
  - **CRUD Operations:** Implemented Create, Read, Update, and Delete operations for efficient data management.
  - **Reservation System:** Incorporated a robust reservation system ensuring users can book available vehicles for specific dates, preventing double bookings.
- **Technical Skills:** Java, MongoDB, JavaFX.

Music Store Management System

Individual Project   *2019*

- Developed a specialized system for music store managers to effectively manage a diverse range of music items in a store setting.
- **Key features of the system**:
  - **Inventory Management:** Implemented features to add, update, and remove music items, such as CDs, vinyl records, and other music-related merchandise, from the store inventory.
  - **Search and Filter Functionality:** Created search capabilities allowing managers to easily find items based on various criteria like genre, artist, release date, etc.
  - **Sales Tracking:** Integrated a system to track sales and inventory levels, helping in decision-making for restocking and promotions.
- **Technical Skills:** Java, MongoDB, JavaFX.

SKILLS

Programming Languages :-	Java, Python, JavaScript, TypeScript, C#
Web Development :-	React, Node, Express, Flask, HTML5, CSS3, Bootstrap
UI Libraries :-	Ant Design
Database :-	MySQL, MongoDB
Version Control :-	Git, GitHub, GitLab
Development Environment :-	Linux, MacOS, Windows
Soft Skills :-	Time Management, Teamwork, Problem-solving, Documentation, Presentation.

CERTIFICATES & ACHIEVEMENTS

Cutting Edge :- Selected the final year individual research project	2022
Cutting Edge :- Selected the second year group project	2020
Building Restful Apis With Nodejs And Express :- Certifcate Of Completion by Linkedin	2020
Introduction To Algorithm Analysis :- Certificate of Completion by Udemy	2020
Java Object Oriented Programming :- Certificate of Completion by Udemy	2020

INTERESTS

Full-Stack Development | Cross-Platform Development | API Development | User-centric Design & Development

REFERENCES

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