

Farheen Boosary

Software Engineer Graduate

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Profile

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 (IIT)

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 O/L - Passed
- 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 the **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.
- Overall contributed to feature development, improvements and bug fixing of relevant projects.
- **Technical Skills:** React, Java, MySQL, Maven, C#, REST APIs, Linux/Unix tools, Git.
- **Soft Skills:** Teamwork, Time Management, Communication, Documentation, Presentation skills.

Skills

Programming Languages	Java, Python, JavaScript, PHP, 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
Data Science	Tensorflow, Keras
Soft Skills	Time Management, Teamwork, Problem-solving, Documentation, Presentation.

Projects

A Novel Abstractive Text Summarization Approach For Lecture Content

IIT: 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

IIT: 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.

Certificates & Achievements

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

Courseworks

Object Oriented Programming
Reasoning About Programming
Algorithms
Concurrent Programming

Security and Forensics
Database Systems
Web Design and Development
Mobile User Experience

Client Server Architecture
Mathematics for Computing

Interests

Data Science: Passionate about exploring data-driven solutions and insights.

Web Development: Enthusiastic about creating responsive and intuitive web applications.

Full-stack Development: Enjoy building end-to-end solutions and understanding both client-side and server-side perspectives.

User-centric Design & Development: Advocate for user-focused design principles.

References

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Entgra.io

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