Ahamed Minhaj

BSc (Hons) in Computer Engineering

📱 +94 752828171   ✉ AhamedMinhaj456@gmail.com   🏠 Batticaloa, Srilanka
in [Ahamed Minhaj](#)   🐙 [Ahamedminhaj456](#)   🌐 [Portfolio Website](#)

Profile

A Computer Engineering graduate with 2+ years of professional experience in application development in Java ecosystem, recently worked as an Associate Software Engineer, who is playing the role of Software Engineer and having hands-on experience in popular and trending technologies while adhering to best practices in coding.

Education

BSc (Hons) in Computer Engineering   *Faculty of Engineering, University of Ruhuna*   2021 - 2025
OGPA - 3.17

Experience

Associate Software Engineer   *Hightechx Software Solutions (Pvt) Ltd*   *2025 Jan - 2025 Dec*

○ Contributed to end-to-end development of an ERP web application as a Full-Stack Engineer using Spring Boot and React

○ Built RESTful APIs, business logic, and optimized MySQL database schemas for core system workflows

○ Led JasperReports integration and migrated reporting logic from Microsoft SQL Server (T-SQL) to MySQL

Software Engineer Intern   *Hightechx Software Solutions (Pvt) Ltd*   *2024 July - 2024 Dec*

○ Completed a 6-month remote internship delivering full-stack features for an ERP web application using React (TypeScript), Spring Boot, and MySQL

○ Converted PM-provided sample screens and field specifications into production-ready UI, REST APIs, and database queries

○ Worked in an Agile environment using Jira with daily stand-ups and sprint-based delivery

Document Specialist   *RR Donnelley Outsource (Pvt) Ltd*   *2019 Dec – 2020 May*

○ Created and formatted client-facing financial documents using RRD tools and Microsoft Office, delivering error-free outputs on time with consistent, brand-aligned layouts.

Projects

HighTechX ERP System – Core Product Delivery

○ Delivered end-to-end ERP web application modules, building React UI components, Spring Boot REST services, and MySQL database schemas to support core workflows. Enhanced reporting by migrating Crystal Reports to Jasper Reports, integrating parameterized React screens, and porting stored procedures from SQL Server to MySQL for improved performance and reliability.

○ Technologies: **React, Spring Boot, MySQL, Jasper Reports, SQL Server (migration), Agile**.

Cloud Based - Book Fair Stall Reservation System – Academic Project   **[GitHub](#)**

○ Developed and owned the complete backend of a cloud-based application for the Cloud Computing module, implementing a Spring Boot–based microservices architecture with Dockerized services deployed on Contabo cloud infrastructure, and integrating Kafka with Zookeeper for scalable, fault-tolerant asynchronous notifications.

○ Product link - [Colombo Book Fair](#)

○ Technologies: **Spring Boot, Docker, Apache Kafka, Zookeeper, MySQL, Microservices Architecture.**.

Motorbike Service Reservation System - Academic Project   **[GitHub](#)**

○ Developed a motorbike service reservation web application enabling customer bookings across multiple shops, with admin and shop maintenance features, serving as Project Manager and Lead Engineer with full responsibility for full stack development.

○ Product link - [BikePulse](#)

○ Technologies: **ReactJs, Spring Boot, MySQL, Redux, Jira, Agile**.

Human Computer Interaction using Real Time Gaze Tracking Technology - Academic Project **GitHub**

○ Developed an assistive desktop application enabling cursor control via webcam-based gaze tracking for individuals with physical disabilities, implementing a CNN-based gaze control system (∼95% accuracy) with blink-based mouse actions.

○ Product link - Look Track Vision

○ Technologies: **Python, CNN, OpenCV, MediaPipe, TensorFlow, Keras, PyAutoGUI, Tkinter, Whisper, pyttsx3**.

Taxi Booking Mobile Application - Academic Project **GitHub**

○ Enabled users to request and schedule rides via smartphones with features including GPS tracking, fare estimation, and driver ratings, gaining hands-on experience in mobile application development using Google Cloud APIs and Firebase.

○ Technologies: **Flutter, Firebase, Google Cloud API**.

Traffic Congestion Detection - Academic Project **GitHub**

○ Developed a real-time traffic congestion detection application using a YOLOv8-based object detection model, processing video streams with OpenCV to identify vehicle density and congestion levels for the Computer vision module.

○ Technologies: **Python, YOLOv8, OpenCV, Streamlit, Computer Vision.**.

Skills

- **Web Development :** Java, JavaScript, Python, Spring Boot, React, Next

- **Data Base :** MySQL, MongoDB, MSSQL, PostgreSQL

- **Devops :** Docker, AWS

- **AI & ML :** CNN, Numpy, Pandas, TensorFlow, Seaborn, Keras, Pytorch, Matplotlib, Prompt Engineering

- **Mobile App Development :** Flutter/Dart, Google Firebase, Cloud API

- **Version Control :** Git, GitHub

- **Project Management:** Jira, Agile Methodology

Online Courses & Certifications

- Data Structures & Backend with Java- Coursera

- Getting Started with Git and GitHub - Coursera

- Introduction to Cloud Computing - Coursera

- Introduction to Machine Learning - Coursera

- Introduction to Artificial Intelligence (AI) - Coursera

Reference

References available upon request.