

Hafiz Ayan Ahmed

SOFTWARE ENGINEER

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EDUCATION

Computer System Engineering

NED University of Engineering and Technology

2022 - 2026

SKILLS

Languages: Javascript, Python, HTML, CSS

Frameworks: React Js, Django, Django Rest, Tailwind

Database: MySQL, MongoDB, Nosql, Dbms

Fundamentals: Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA).

PROJECTS

Pakistan Smart Bus Assistant

GitHub: <https://github.com/AyanAhmed30/Smart-Bus-Assistant>

A GPS-free, schedule-driven public transport management system designed to enhance urban commuting through real-time occupancy updates, smart notifications, and admin-controlled operations.

- Core Modules: Route Search, Schedule Management, Bus Capacity Status, Fare Management, Complaint System, Notifications, Admin Dashboard.
- Key Features: Source-to-destination route matching, schedule-based notifications, live bus capacity status (Empty / Medium / Full), JWT-secured login, complaint submission, role-based admin access for full control.
- Technologies: React.js, Django REST Framework, Tailwind CSS, MySQL, Axios, JWT Authentication, Django Cron Jobs.

Career Connect – Job Portal System

GitHub: <https://github.com/AyanAhmed30/Career-Connect>

A comprehensive web application for job postings, application tracking, and interview scheduling, built to connect job seekers with recruiters through a structured, role-based platform.

- Core Modules: Authentication & Authorization, Job Posting & Management, Resume Upload, Application Management, Interview Scheduling, Email Notifications.
- Features: Role-based access (Admin, Company, Employee), job CRUD, resume upload, application tracking, email notifications.
- Technologies: Django, Django Language Template (DLT), Dbsqlite3, HTML, CSS, Javascript.

Code Sphere – Programming Learning Website

GitHub: <https://github.com/AyanAhmed30/lms>

Web system for educational content sharing between admins and students.

- Core Modules: Authentication, Course Management, Lecture Uploads, Email Query System.
- Features: Role-based access, course/lecture uploads (PDFs, exercises, sample code), user queries via SMTP, CSRF protection, and password encryption.
- Technologies: HTML, CSS, Javascript, Dbms, Django