

Ibrahim Ahmad Siddiqi

ibrahimsiddiqi12@gmail.com | +(92) 331 5146350 | [LinkedIn](#) | [GitHub](#)

EDUCATION

National University of Computer & Emerging Science **FAST**

Islamabad, Pakistan

Bachelor of Science, Software Engineering

June 2026

Relevant Courses: Web Engineering, DevOps, Applied AI, Software Design and Architecture

ACADEMIC PROJECTS

Collaborative Recipe & Meal Planner (React, Node.js/Express, MongoDB, Docker/K8)

(05/2025)

- Built RESTful API with Express.js, JWT-based auth, and MongoDB schema design; enabled recipe CRUD, user permissions, and real-time comment/rating features.
- Developed responsive React frontend with weekly planner, and auto-generated shopping lists; containerized app with Docker and deployed on Minikube via GitHub Actions

University Timetable Schedule (Python, CSP, GA, NumPy)

(04/2025-05/2025)

- Built a class scheduling system using CSP and GA to handle hard and soft constraints. Applied MRV, forward checking, and backtracking for efficient search.
- Used GA with crossover, mutation, and fitness scoring to improve balance. Managed data through CSV I/O and compared CSP vs GA outputs.

Movie Recommending System (ExpressJs, MongoDB, Postman, NodeJs)

(11/2024-12/2024)

- Built a robust backend with ExpressJS and MongoDB, featuring JWT authentication, user profiles, rating/review modules, and dynamic movie recommendations based on user preferences
- Documented RESTful APIs with Postman, emphasizing secure routing, efficient data modeling, and token-based communication.

Rate-My-Professor (Python, Js, NextJs, RAG, Pinecone, NLP)

(08/2024 – 08/2024)

- Developed Professor review system integrating RAG pipeline using Lang Chain and Llama Model for real-time, relevant query responses.
- A 4-member team in collaborative project implementation, ensuring seamless integration of system components.

Teacher Assistant & Lab Demonstrator Management (.Net, SQL, C#)

(02/2024 – 5/2024)

- Core Features: Developed system for managing & assigning teaching assistants, lab demonstrators, faculty profiles, course applications, and task assignments.
- Tech Stack: C# .NET, SQL Server, Windows Forms; full-stack development with technologies.

CAMPUS COMMUNITY INVOLVEMENT

- Media Head - **Fast Software Engineering Society** (08/2023 - 05/2024)
- Media Officer - **Google Developer Student Club** (08/2023 - 05/2024)
- Management Officer - **NASCON** (03/2024 - 03/2024)

SKILLS

- ExpressJs
- MongoDB
- React
- JavaScript
- Node
- AI/ML
- Flask
- Python
- NLP
- RAG
- REST Api
- LLMs
- Docker
- Git