

# Ibrahim Ahmad Siddiqi

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## EDUCATION

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

Islamabad, Pakistan

Bachelor of Science, Software Engineering

June 2026

## PROFESSIONAL SUMMARY

Software Engineering student with full-stack experience & hands-on projects. Skilled in Node.js, React, & AI/ML pipelines, building scalable applications with modern deployment practices & strong collaboration skills

## EXPERIENCE

**Full Stack Engineering Intern @ Systems Limited | Islamabad, Pakistan** (06/2025-08/2025)

- Built Express.js NLP pipeline processing 500+ requirements documents, reducing manual analysis by 60% through automated artifact generation.
- Developed React/Express/SQLite solution with RESTful APIs, serving real-time document verification with sub-300ms response times.

## ACADEMIC PROJECTS

**University Timetable Schedule** (Python, CSP, GA, NumPy) (04/2025-05/2025)

- Engineered CSP/GA scheduling system for 1500+ students across 120+ courses, achieving 90% efficiency with MRV heuristics and backtracking.
- Implemented genetic algorithms with crossover/mutation, reducing computation time by 50% to process schedules in 25 seconds.

**Collaborative Recipe & Meal Planner** (React, Node.js/Express.js, MongoDB, Docker/K8) (05/2025)

- Built Express.js/MongoDB meal platform with JWT auth serving 400+ recipes, supporting 80+ concurrent users with real-time features.
- Developed React SPA with automated planning and Docker/K8s deployment, improving load speed by 40%

**Movie Recommending System** (Express.js, MongoDB, Postman, Node.js) (11/2024-12/2024)

- Developed collaborative filtering recommendation engine processing movies with 90% accuracy for personalized suggestions.
- Implemented Express.js/MongoDB backend with JWT auth and API documentation, supporting 150+ users with rating/review system.

**Rate-My-Professor** (Python, Next.js, RAG, Pinecone, NLP) (08/2024 – 08/2024)

- Built custom RAG pipeline with Flask API gateway and Sentence Transformers, processing 100+ professor reviews with 85% semantic search accuracy.
- Engineered local vector similarity engine with multi-factor ranking algorithms, delivering sub-400ms query responses without external LLM dependencies.

## CAMPUS COMMUNITY INVOLVEMENT

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

## TECHNICAL SKILLS & CERTIFICATES

- JavaScript, Git, GitHub, Node.js, RESTful API, Postman, MongoDB, React, Docker, LLMs, RAG, NumPy, FastAPI, Flask, AWS, Image Recognition
- [Generative AI for Software Development](#), [Developing Frontend Apps with React](#)