

# Abdullah Ahmed

Islamabad, Pakistan

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## Professional Summary

Software Engineering undergraduate at NUST with strong foundations in Web Development, Software Engineering, Data Structures, Databases, Artificial Intelligence, and Machine Learning concepts. Experienced in building responsive web applications using HTML, CSS, JavaScript, React.js, and Tailwind CSS. Proficient in Git, GitHub, and modern deployment platforms such as Vercel and Netlify. Passionate about developing scalable, user-friendly applications and continuously expanding expertise in AI and modern web technologies.

## Education

<b>Bachelor of Software Engineering</b>	2024 – 2028
National University of Sciences & Technology (NUST), Islamabad	4th Semester
CGPA: 3.39 / 4.00	
<b>F.Sc. (Pre-Engineering)</b>	2022 – 2024
Fazaia Inter College, Islamabad	
<b>Matriculation (Science)</b>	2020 – 2022
Fazaia Inter College, Islamabad	

## Technical Skills

**Languages:** Python, Java, C, C++, JavaScript, SQL  
**Frontend Development:** HTML5, CSS3, JavaScript (ES6+), React.js, Tailwind CSS, Responsive Web Design  
**Backend & Databases:** SQL, Relational Databases, Database Design  
**Web Technologies:** REST APIs, JSON, Component-Based Architecture, Single Page Applications (SPA)  
**Deployment & Version Control:** Git, GitHub, Vercel, Netlify  
**AI & ML:** Machine Learning Fundamentals, Artificial Intelligence Concepts, Data Analysis, Model Evaluation  
**Testing:** Software Testing, Debugging, Quality Assurance  
**Soft Skills:** Analytical Thinking, Problem Solving, Communication, Leadership, Team Collaboration

## Projects

**Search Engine:** Designed and implemented a search engine capable of indexing and retrieving relevant information efficiently. Applied information retrieval concepts, data organization, and search optimization techniques.

**Automated Timetable Generator (Full-Stack):** Designed and developed a deployed full-stack timetable generation system using scheduling and optimization algorithms to automatically create conflict-free academic timetables. Implemented constraints for course, faculty, room, and time-slot allocation while maximizing resource utilization. Built a responsive frontend, integrated backend services, managed database operations, and deployed the application for production use.

**Hotel Management System:** Developed a database-driven hotel management system with booking, customer management, and administrative functionalities. Designed relational database schemas and implemented data validation.

**React Frontend Applications:** Built responsive and interactive web applications using React.js, JavaScript, HTML, CSS, and Tailwind CSS. Focused on reusable components, performance optimization, and clean UI/UX design.

**Apple Website Clone:** Developed a fully responsive Apple website clone using React, JavaScript, and Tailwind CSS. Implemented modern UI components, responsive layouts, and smooth user interactions.

**Nike Website Clone:** Built a responsive Nike-inspired e-commerce frontend using React, JavaScript, and Tailwind CSS. Implemented reusable components, product sections, and mobile-friendly design.

**NSTP Website Clone:** Created a frontend clone of the NSTP website using React, HTML, CSS, JavaScript, and Tailwind CSS. Focused on responsive design and component-based architecture.

**Website Deployment Projects:** Successfully deployed multiple frontend applications using Vercel and Netlify. Managed project repositories using Git and GitHub, following version control best practices and collaborative development workflows.

## Relevant Coursework

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Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Software Engineering, Probability and Statistics, Artificial Intelligence Fundamentals, Machine Learning Fundamentals

## Experience & Leadership

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Served as Director in multiple student societies at NUST, managing teams, coordinating events, and ensuring successful execution of organizational activities. Developed leadership, communication, and project management skills through collaboration with diverse teams.

## Internship Experience

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Summer Intern at Alkhidmat Foundation. Collaborated with teams on operational and project activities, strengthening communication, teamwork, organizational, and problem-solving skills.

## Certifications & Continuous Learning

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Completed online courses in Machine Learning, Artificial Intelligence, Python Programming, Web Development, React.js, JavaScript, and Git/GitHub.

Actively learning Computer Vision, Data Analytics, Full-Stack Development, and AI-powered software systems through online resources and practical projects.