

# Mohd Fazil

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Final-Year Computer Science Student — Aspiring Software  
Developer — Web Developer

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## Professional Summary

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Motivated final-year Computer Engineering student with hands-on experience in building full-stack web applications using modern JavaScript frameworks and backend technologies. Strong foundation in object-oriented programming, authentication systems, and RESTful API development, with a passion for building scalable and secure software solutions.

## Education

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### A.I.K.T.C. – School of Engineering, Navi Mumbai

Bachelor of Engineering in Computer Engineering

CGPA: 7.95 / 10 (up to Semester 7)

Expected Graduation: 2026

## Technical Skills

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**Programming Languages:** Java, JavaScript, TypeScript, Python

**Web Development:** HTML, CSS, DOM Manipulation

**Frameworks & Libraries:** React, Next.js, Node.js, Express.js, Tailwind CSS, FastAPI

**Databases:** PostgreSQL, MongoDB, Firebase Firestore

**Authentication & Security:** Firebase Authentication (Google OAuth), JWT, Session Cookies

**Concepts:** Object-Oriented Programming, REST APIs, API Documentation (Swagger), Data Processing

**Tools & Platforms:** Git, GitHub, VS Code, Git CLI, Firebase Console, Vercel

## Projects

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### TaskWave – Task Management Platform

- Built a full-stack task management application using **Next.js**, **TypeScript**, **Firebase**, and **Tailwind CSS**.
- Implemented **Google OAuth authentication** with secure session-based login using Firebase Admin SDK.
- Developed REST APIs for task creation, update, deletion, and retrieval with user-based access control.
- Deployed the application on **Vercel** with environment-based configuration.

### Medium-style Blogging Platform

- Built a full-stack Medium-style blogging platform using **React**, **TypeScript**, **Tailwind CSS**, **Hono**, and **PostgreSQL**.
- Implemented **JWT-based authentication** and protected routes.
- Developed file upload functionality and integrated Axios-based data fetching.
- Deployed the application on **Vercel** with environment-based configuration.

### Stock Market Data Backend (FastAPI)

- Built a backend stock market data platform using **Python** and **FastAPI** to fetch, clean, and analyze real-time stock data.
- Developed REST APIs for stock price data, summary metrics, company listings, comparisons, and top gainers/losers with **Swagger UI**.
- Implemented financial metrics including daily returns, moving averages, volatility, and added optional visualization using **Matplotlib**.

## Java Console Applications

- Built OOP-based applications including a Todo List and Student Management System using **Java**.
- Implemented CRUD operations using **ArrayList, Comparator, and Collections Framework**.

## Certifications

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- Object-Oriented Programming in Java – IBM (Coursera)
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate
- Java Data Structures for Beginners – Great Learning
- Java Basics Certification – Great Learning