Faraaz Mahmood

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About

I am a Computer Science and Engineering student with a strong passion for both Machine Learning and Backend Development. I have a solid foundation in programming, data structures, and algorithms, with hands-on experience in Python and popular ML libraries like Pandas, NumPy, Matplotlib, and OpenCV. In addition to my ML interests, I have a strong backend development background, working with technologies like Node.js, Express.js, and Next.js for building scalable, secure RESTful APIs. I am eager to leverage my diverse skill set to create innovative solutions that blend AI-driven insights with robust backend infrastructure.

Skills

- **Languages:** C/C++, Python + Python Data Analysis Libraries, JavaScript, MySQL
- **Web Development:** ReactJS, NextJS, ExpressJS, Tailwind CSS, Flask, REST APIs, FastAPI
- **Machine Learning:** TensorFlow, Scikit-learn, Keras

Project Work

- **BlogCraft – AI-assisted Blogging Platform**
  github.com/Faraaz22/BlogCraft–AI-assisted-blogging-platform
  This project is a full-stack blogging platform built with Next.js, TypeScript, and Tailwind CSS. It allows users to create, view, and manage blog posts with features like authentication, dynamic routing, and a modern, responsive UI. It leverages Ollama to create blog posts based on the provided inputs. The backend uses Prisma ORM for database operations, ensuring efficient data management and scalability. The codebase emphasizes modular React components and clean architecture, making it ideal for collaborative development and rapid feature expansion.

- **Campaign Manager**
  github.com/Faraaz22/Campaign-Manager
  Built a RESTful API using Node.js (Express) with MySQL for data storage and implemented JWT-based user authentication for secure access. The backend supported full CRUD operations on campaign data (name, date, impressions, clicks, conversions). Designed a lightweight React frontend to interact with the API, enabling users to log in, view, add, and filter campaign metrics. Emphasized clean, maintainable code and core functionality over complex UI or state management.

- **ProfilePop–Instantly-turn-your-resume-into-a-public-link**
  github.com/Faraaz22/ProfilePop
  Full-stack SaaS built with Next.js, Express, Prisma/MySQL, Kinde (Auth), and Stripe:Authenticated users paste or upload their resume text; front-end styled with Tailwind and ShadCN.Resume is auto-formatted by OpenAI LLM into polished HTML, stored via Prisma, and exposed via a public slug URL.Users and visitors can download resumes as PDFs directly from the browser.Users can optionally donate via Stripe integration, enabling seamless payment flow and contributions. Demonstrates end-to-end SaaS application design, authentication, LLM-powered content generation, file download, and payment system integration — ideal for showcasing full-stack engineering proficiency.

- **WordSmith – Chrome Build with AI Hackathon Submission**
  github.com/Faraaz22/Wordsmith | devpost.com/software/wordsmith
  The Text Processing API is designed to provide multiple features for text enhancement, including spelling correction, text summarization, grammar correction, and suggestions to improve written content. This API leverages advanced models like T5, Falcon, and Google Gemini for natural language processing tasks. The front-end interface allows users to input text and receive processed results through simple HTTP POST requests.

Education

Greater Noida Institute of Technology (GNIOT), Greater Noida	2022–2026
B.Tech in Computer Science and Engineering	*CGPA: 7.7/10*
DPS Indirapuram	2020–2022
Senior Secondary Education (PCM + Economics)	*Percentage: 84.2%*
DPS Indirapuram	2019–2020
Secondary Education	*Percentage: 88.2%*

Relevant Coursework

Object-Oriented Programming, Databases, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Advanced DSA, Computer Architecture