Aakash Jha

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Focused on building practical web applications and integrating machine learning capabilities using Python, Django, and React. Solid foundation in full-stack development, API integration, and modern development tools, with a strong interest in solving real-world problems through clean and efficient code.
Currently looking for a software development internship to apply full-stack and machine learning skills in real-world projects.

Technical Skills

Frontend: HTML, CSS, JavaScript, BootStrap, React.js, Redux
Backend & Databases: Django, Django REST Framework, Flask, MySQL
Programming Languages: Python, JavaScript, Java, C
Data Science & ML: Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib
APIs & Integration: REST API development, third-party API integration
Version Control & Others: Git, GitHub, Vercel, Postman

Projects

➢ **Sanjeevni.Ai**   [Link]
[Tech Stack: Python, Django, SQL, Scikit-Learn, TensorFlow, gTTS, Bootstrap, HTML, CSS, JavaScript **]**
An AI-powered healthcare web application designed to assist patients with personalized medical services and streamline doctor-patient interactions.
- Developed AI-driven symptom-based disease prediction system with interactive nurse avatar explanations.
- Personalized medical advice, precautions, medication, and dietary suggestions based on predicted conditions.
- Enabled real-time video consultations with certified doctors and facilitated digital prescriptions.
- Developed separate dashboards for patients, doctors, and admins to streamline interactions & data management.
- Integrated Paystack payment gateway for seamless and secure transaction process.

➢ **Tweet.Ai**   [Link]
[Tech Stack: Python, Django, DRF, DJ-Channels, Redis, React.JS, Redux, Gemini-API, Bootstrap, HTML, CSS, JS**]**
AI-Powered Social Media Platform Inspired by Twitter(X) with user-centric features**:** tweet creation, retweeting, likes, bookmarks, threaded-comments, follow, explore feed, real-time notifications, user recommendation system.
- Sentiment analysis on each tweet using TextBlob, allowed filtering of positive, negative, and neutral comments.
- Summarize long tweet & comment for concise content previews by using HuggingFace Transformers pipeline.
- Real-time chatting with typing indicators using Django Channels & redis-layer for a WhatsApp-like experience.
- Integrated Gemini for an AI-powered chat assistant with interactive and syntax-highlighted Markdown rendering.

➢ **Gyaani**   **[Tech Stack:** Python, Django, DRF, SQL, React.js, Bootstrap, HTML, CSS, JavaScript **]**   [Link]
A multilingual blogging platform designed to foster content creation, interaction & discovery, featuring JWT authentication and role-based access control for secure user management.
- Built complete content management system with rich text editor, tagging, categorization, and post handling.
- User engagement features**:** bookmarks, likes, views, nested-comments, follow-author & notification system.
- Author dashboard for personal content insights & dedicated admin panel for overall analysis & management.
- Implemented multilingual support and pagination to enhance content accessibility and user experience.

➢ **Student Management System**   **[Tech Stack:** Django, MySQL, Matplotlib, Bootstrap, HTML, CSS, JS**]**   [Link]
A full-stack web application to manage student data including academic records, attendance, profiles, and performance metrics efficiently.
- Built a detailed dashboard to visualize key metrics such as marks, attendance, placement, and demographics.
- Implemented role-based access for students, teachers, and admins with real-time OTP verification via SMTP.
- Implemented advanced multi-parameter search with filtered data export to Excel and email sharing.
- Designed a responsive and intuitive UI with an integrated online attendance system.

Achievements

- National FINALIST- Smart India Hackathon(IIT Tirupati)
- Solved 200+ coding problems on GeeksforGeeks and LeetCode
- Finalist in multiple hackathons including Hacknovate 5.0, Hackaccino 3.0, and Ideathon

Education

ABES Institute Of Technology, Ghaziabad UP (AKTU)	2022-2026
o **B.Tech (**Computer Science and Engineering**)**	
Kendriya Vidyalaya Sangathan, Delhi (CBSE)	
o **Class 12**[th] **(**2022**)**	Percentage**:** 92.0%
o **Class 10**[th] **(**2020**)**	Percentage **:** 88.4%