**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, ReduxBackend & Databases: Django, Django REST Framework, Flask, MySQLProgramming 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](https://github.com/Aakash-Jha3903/Sanjeevni_Ai__Hack_191)]

## **[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](https://github.com/Aakash-Jha3903/Tweet.Ai/)] **[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](https://github.com/Aakash-Jha3903/Gyaani__React_Django_Project)] 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](https://github.com/Aakash-Jha3903/Student_Management_System)] 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**

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