Mohammed Shaik Sahil

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Professional Summary

Passionate **Computer Science engineering student** with hands-on experience in **full-stack web development** using **React.js, Next.js, Node.js, and Django**. Skilled in **backend development** with **Supabase, PostgreSQL, and MongoDB**, and proficient in **Python, C**, and **modern frontend technologies (HTML, CSS, JavaScript)**. Adept at **building and deploying scalable**, **AI-integrated applications** using tools like **OpenRouter, Copilot, Claude, and Vertex AI**. Experienced with **cloud platforms like Vercel and Google Cloud Console**. Committed to **crafting efficient, user-friendly digital solutions** with **real-world impact**.

Projects

1. Attendance Management Website   Oct 2024 – Jan 2025

Developed a dynamic event registration platform using Django, designed to streamline event organization and participant management. The system features event creation, attendee registration, and an admin panel for attendance tracking, improving workflow efficiency.

Key Contributions:
- Built a **user-friendly event creation interface**, allowing administrators to define event details.
- Designed **secure participant registration** and attendance tracking using **Excel integration (Pandas library)**.
- Implemented **environment-based security measures** to protect sensitive data and access permissions.
- Deployed the application on **Vercel**, ensuring seamless accessibility and optimized performance.

Technical Stack:
Django | Python | MongoDB | HTML | CSS | JavaScript | GitHub | SEO Optimization

Links:
LinkedIn Project:- https://l1nk.dev/wg89K
GitHub Repository:- sahilshaik13/AttendanceNSAKCET

2. Django-Based Chatbot with Admin & Registration Features   Jan 2025

Developed a Django-based chatbot to streamline user registration and administrative management. Designed a secure admin panel, enabling efficient data handling and user interactions through predefined commands and automated responses.

Key Contributions:
- Implemented **guided user registration**, storing essential details in **Excel for structured management**.
- Developed a **secure admin mode**, allowing administrators to **view, manage, and clear user registrations**.
- Engineered **predefined chatbot responses**, enhancing **user experience** and simplifying interactions.
- Integrated **error handling mechanisms** for **smooth operation and robust system stability**.
- Planned future **database support** for scalability and enhanced data management.

Technical Stack:
Django | Python | JavaScript | HTML | CSS | API Integration | GitHub | Back-End Web Development

Links:
LinkedIn Project:- https://acesse.one/5jqeq
GitHub Repository:- sahilshaik13/jack-vercel

3. Django-Based Course Registration Platform with Payment Gateway   March 2025

Developed a comprehensive full-stack registration system to facilitate seamless course enrollment, integrating a secure payment gateway using Razorpay. Designed an admin panel for efficient management of user registrations and structured data handling.

Key Contributions:

- Engineered a **Django-based registration system**, ensuring smooth user onboarding and payment processing.
- Integrated **Razorpay API** for secure and streamlined transaction management.
- Developed an **admin dashboard**, allowing administrators to **view and manage registrations** efficiently.
- Utilized **Supabase** as the database solution for robust and scalable data storage.
- Hosted images via **ImgBB**, optimizing image accessibility across the platform.
- Designed and deployed a **static interface website** on **Vercel**, providing users with program details and an intuitive browsing experience.

Technical Stack:
Django | Python | JavaScript | HTML | CSS | Supabase | Razorpay API | ImgBB | GitHub | Vercel | Full-Stack Web Development

Live Project Links:
Interface Website: https://aile.vercel.app/
Registration Site: https://aile-registrations.vercel.app/
GitHub Repository: sahilshaik13/aile-registrations

4. **Serenity Space – AI Mental Health Platform**   **May 2025**
Built Serenity Space, a comprehensive AI-powered mental wellness app designed to support users with personalized assessments, reflective journaling, and empathetic chatbot support. Focused on helping users track and manage anxiety, stress, and depression with engaging visual tools.

Key Contributions:
- Architected full-stack mental health platform using Django + Supabase + Next.js with secure session handling.
- Engineered weekly DASS-21-based assessments with interactive severity charts and daily mood index graphs.
- Developed intelligent recommendation engine combining user journal sentiment (via Meta Llama) with self-prepared scoring models.
- Integrated Meta Llama via OpenRouter API for AI journaling insights and chatbot responses.
- Deployed production-ready UI on Vercel with responsive UX, privacy-first design, and future-ready architecture.

Technical Stack:
Django | Supabase | Next.js | OpenRouter API | Meta Llama | HTML/CSS/JS | AI Integration | Vercel | GitHub

Live Project Link:
Interface Website: https://serenity-space-ten.vercel.app/
GitHub Repository: https://github.com/sahilshaik13/serenityspace.git
LinkedIn Project: https://l1nk.dev/uqSU3

5. **Path Pilot – AI Career Guidance Platform**   **May 2025**
Built Path Pilot, an AI-powered career navigation app designed to help users discover, build, and progress along a personalized career path. The platform assists users in selecting domains of interest, adjusting skill levels, and following structured, AI-guided roadmaps for professional growth.

Key Contributions:
- Developed dynamic onboarding flow allowing users to register, input current skills, and set expertise levels.
- Implemented AI recommendation engine that generates personalized course suggestions and includes optional curated learning tracks.
- Designed a four-tier leveling system, each with a minimum of 5 skill-based milestones and 3 project deliverables to promote hands-on learning.
- Built progression logic that unlocks subsequent levels only upon completion of current goals, emphasizing skill mastery.
- Integrated AI caution messaging to reinforce the mindset that "learning never ends," even after finishing all levels.
- Delivered responsive, clean UI with seamless integration of Supabase Auth and session management.

Technical Stack: Next.js | Supabase | AI Integration | HTML/CSS/JS | Vercel | GitHub

Live Project Link:
Interface Website: https://path-pilot-tau.vercel.app/
GitHub Repository: https://github.com/sahilshaik13/PathPilot.git

Tech Stack

- <u>Languages</u>: C (core), Python (core), JavaScript, HTML CSS
- <u>Frameworks</u>: Django, Flask, React.js, Next.js, Tailwind CSS, node.js, Three.js, v0
- <u>Database</u>: PostgreSQL, MongoDB, Supabase
- <u>Environments</u>: Google Cloud Platform
- <u>Miscellaneous</u>: Git/GitHub, Data Structures, DBMS, OOPS, Rest-API, Generative AI
- <u>AI Tools</u>: Copilot, Claude, Vercel, BlackBox, DeepSeek, Qwen, OpenRouter
- **Fields of Interest:**
  - Web Development
  - Data Science
  - Cloud
  - Artificial Intelligence and Machine Learning

Education

Bachelor of Engineering (B.E.)   Sept 2023 – Present

- Nawab Shah Alam Khan College of Engineering and Technology – CGPA 8.69   Hyderabad, TG

Sri Chaitanya Junior College, State Board   Sept 2021 – Mar 2023

- 12th (TSBIE)   7.8 GPA   Hyderabad, TG

St. Peter's Model School, State Board   Jun 2009 – Mar 2021

- 10th (SSC)   9.7 GPA   Hyderabad, TG

Certifications and Achievements

Course Certificates:

- **SAP**
  - SAP Foundation Course by Edunet Foundation, Code Unnati and TASK
- **EdYoda**
  - Python Programming
- **Alison**
  - Diploma in C Programming
- **Google Cloud Skill Boost**
  - Generative AI Academy Course Completion

Workshops:

- **Ethical Edufabrica Pvt Ltd.**
  - Python Programming Workshop
- **Techobytes Technologies**
  - Ethical Hacking & Cyber Security with CTF Challenge Workshop
- **IEEE**
  - Open Verse

Hackathons:

- **NSAKCET Internal Hackathon**
  - Participated in Internal Hackathon for (Smart India Hackathon) at Nawab Shah Alam Khan College of Engineering and Technology, Hyderabad.
- **AI Autonomous Hackathon**
  - Participated in Hackathon at Siddhartha Academy of Higher Education, Vijayawada, Andra Pradesh.
- **Buildverse – 24 Hour Hackathon**
  - Qualified for Final round in 24 Hour Hackathon at Scalar School of Technology, Electronic City, Bengaluru.

- **HackZilla – 24 Hour Hackathon**
  - Participated in HackZilla 24 Hour Hackathon organized by Institute of Information Technology (IIIT), Sonepat.

Job Simulations:

- **Accenture UK Developer and Technology Virtual Experience Programme on Forage – May 2025**
  - Completed the Developer and Technology Job Simulation where I developed an end-to-end understanding of the Software Development Lifecycle.
  - Conducted in-depth research into emerging technology trends, particularly in the field of DevOps, demonstrating a proactive approach to staying informed about the rapidly evolving tech landscape.
  - Created and delivered a compelling PowerPoint presentation analysing and comparing Waterfall and Agile methodologies.
  - Designed a custom algorithm using pseudo code and effectively communicated its logic by creating a detailed flow diagram.
  - Debugged a program written in Python by fixing syntax and logic errors in the code.

Other Certifications:

- **District level Exhibition cum Project Competition 2018-19**
  - Participated in District level Exhibition cum Project Competition 2018-19 (Warrant ID: 18TE1536889)

Social Links

LinkedIn – https://www.linkedin.com/in/mdshaiksahil

GitHub – https://github.com/sahilsahik13

Portfolio – https://portfolio-mss-nine.vercel.app

Google Cloud Skill Boost - https://www.cloudskillsboost.google/public_profiles/2f353227-bf66-417b-a030-18fedc7b4e59