Prashasti Priya

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Education

- **VIT Bhopal University**
  B.Tech. in Computer Science and Engineering — CGPA: 9.16   May 2026

Skills

- Programming Languages & Tool: Python, SQLite, PostgreSQL, Git, GitHub, AWS.

- Frameworks, Libraries & Web Technologies: Django, React.js, RESTful API, FastAPI, Streamlit, Plotly.

Projects

- **Ecomzy – E-Commerce Website** ⍉   *Jan 2025 – March 2025*
  Tech Skills: Django, Python, SQLite, REST API, React, HTML, CSS
  - Architected a robust backend using Django and SQLite to manage 2000+ product and user records, implementing secure authentication, session handling, and optimized database queries for high performance.
  - Designed and exposed RESTful APIs powering product listings, search, shopping cart, and order placement, ensuring seamless integration with the React.js frontend and reliable data flow across modules.
  - Implemented backend scalability and maintainability best practices including modular code structure, error handling, and performance tuning, while supporting a responsive React UI for user interaction.

- **Bright Future – Career Guidance Portal** ⍉   *April 2025 – July 2025*
  Tech Skills: Django, Python, SQLite, HTML, CSS, AWS
  - Crafted a responsive course and mentor booking website using Django, implementing user-friendly navigation, dynamic content rendering, and secure authentication through the Django auth system.
  - Configured and integrated SQLite as the backend database to store and manage student records, faculty profiles, and announcements efficiently, ensuring smooth data flow across different views and templates.
  - Deployed the project using AWS Elastic Beanstalk for scalability, load balancing, and cloud accessibility.

- **AI-Powered Mental Health App** ⍉   *Ongoing*
  Tech Skills: FastAPI, Streamlit, Python, LangChain, MistralAI, HuggingFace, Plotly
  - Engineered a scalable AI-powered mental health platform using FastAPI and Streamlit, integrating Mistral AI via LangChain for conversational memory, document querying, and personalized CBT insights.
  - Implemented backend services including crisis detection with keyword, secure session management, encrypted data persistence, and RESTful APIs for chat, journaling, mood tracking, and breathing exercises.
  - Optimized system architecture by combining HuggingFace embeddings, Plotly visualizations, and persistent logging with JSON exports, delivering real-time analytics, personalized recommendations.

Achievements

- Winner – Lakecity Hack-2024 (No Code Hackathon, JLU Bhopal): Proposed smart glasses leveraging Computer Vision & NLP to convert hand signals into speech and spoken words into subtitles, enhancing accessibility.

- Flipkart Grid 7.O: Reached the semi-finals among 1.6L+ participants, showcasing problem-solving skills.

Activities

- Volunteered at the International English Conference (Nov 2023), as part of the event management team, coordinating with professors from 10+ states and 5+ countries to ensure smooth execution for 200+ attendees.

- Sports: Gold medals in Arambh22 Basketball (Defender) and Advitya23 Cricket (Team Event).

Hobbies

- Mandala art, table tennis, basketball, and cooking.