Nimish Rao

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TECHNICAL SKILLS

Languages: Java 8, Python, SQL

Tools/Technologies: Tableau, Excel, GIT

Libraries/Frameworks: Sci-kit Learn, TensorFlow, PyTorch, Matplotlib, Seaborn

Other: MATLAB

EDUCATION

VIT Bhopal University	Bhopal, MP
B.Tech Computer Science Engineering with spec. in AIML - 8.01 CGPA	*Sept. 2022 – June 2026*
Sai Shree International Academy	Ratlam, MP
Class XII - 81.8%	*April 2020 – May 2021*
Sai Shree International Academy	Ratlam, MP
Class X - 91.4%	*April 2018 – March 2019*

PROJECTS

Saraswati Chatbot — Sept. 2023 – Jun. 2024

Python, RAG-LLM, Llama-2

- **Architected** a conversational chatbot leveraging advanced NLP techniques, achieving 92% accuracy in intent recognition.
- **Integrated large language models (LLMs)** for contextually relevant responses with an average response time of **250ms.**
- Developed a modular architecture for seamless integration of 5 external knowledge sources.
- Achieved **95%** accuracy in information retrieval tasks and a **20%** improvement in user satisfaction.

Community Feedback Platform — Dec.2024 - Mar.2025

React.js, Node.js, Express.js, MongoDB, Google Maps API, Socket.io

- **Developed a web platform** allowing users to report local household issues (potholes, water shortages, electricity outages) directly to local authorities, enhancing civic engagement and response times.
- **Built the frontend** using React.js with responsive UI/UX design, leveraging **HTML5, CSS3, and JavaScript**for seamless user interaction and form submission..
- Designed and implemented the backend using Node.js and Express.js, with a MongoDB NoSQL database for efficient issue storage and flexible data handling.
- **Integrated Google Maps API** for geolocation tagging of issues, and implemented real-time notifications with Socket.io to inform users and authorities about report status updates.

CERITFICATION

- HTML, CSS, Javascript for Web Developers
- Privacy and Security in Online Social Media
- Machine Learning with Python

EXTRA-CURRICALARS & INTERESTS

Responsibilities: MUN Club Core Member
Interests:Photography
Languages:Hindi, English,Japanese

ACHIEVEMENTS

Successfully spearheaded the organization of **VITB MUN'24** with **50+** delegates.

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