MOHINI GUPTA

Siwan, Bihar

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EDUCATION

Vellore Institute of Technology   Bhopal
B.Tech in Computer Science and Engineering with specialization in AI and ML   *Sept 2021 - Ongoing*
CGPA: 8.27

TECHNICAL SKILLS

AI/ML & SAP: LLMs, model tuning, basic SAP (S/4 HANA, SuccessFactors)
Languages: C++, SQL, JavaScript, Python
Tools & Platforms: Git, MS Excel

EXPERIENCE

MERN Full Stack Internship   Aug 23 - Nov 23
Ethnus   *Remote*

- Gained comprehensive knowledge of the MERN stack, working with MongoDB, Express.js, React.js, and Node.js in real-world projects to build dynamic, scalable applications.
- Executed design and implementation strategies using the MERN framework to develop interactive dashboards, providing actionable insights which increased data retrieval speed by two minutes per query for over 100 stakeholders.
- Designed user-friendly web interfaces that enhanced usability, improving navigation efficiency.
- Collaborated with teams of 4–6 members on front-end development tasks, utilizing version control and managing comprehensive development workflows.

PROJECTS

Garbage Detection using YOLO | *C++, Python, YOLO*   Sept 23 - May 24

- Description: Engineered a garbage detection system using YOLO, employing computer vision techniques to identify and categorize various garbage types efficiently.
- Optimized the YOLO model to improve detection accuracy by 35% and accelerate processing speed, ensuring faster and more precise garbage classification.
- Enabled intelligent waste classification and real-time alerts, contributing to smart city sanitation efforts and efficient waste management strategies.

Medi-Link | *Python, ML, LLMs*   Sept 24 - Ongoing

- Description: Built AI-powered modules for medical automation, including intelligent appointment handling, prescription checks, and patient record analysis.
- Designed and implemented an AI chatbot using a locally deployed LLM to provide real-time first-aid assistance and respond to medical queries.
- Developed and fine-tuned a custom RAG-based setup with synthetic datasets for context-aware chatbot responses.

CERTIFICATIONS

- Python Bootcamp Certificate, Udemy, Apr 22
- HTML, CSS, & JavaScript for Web Developers, Coursera, Feb 23
- AWS Certified Cloud Practitioner, Feb 24

EXTRACURRICULAR/ACHIEVEMENTS

- Participated in an intensive web development workshop, mastering core techniques and best practices.
- Head Girl (2019-2020): Directed and managed more than 10 major school events, including cultural festivals and academic programs, leading a team of 20+ students and collaborating closely with faculty to guarantee flawless execution and a 90% success rate in participation.
- Achieved top recognition among 15 participating schools at a prestigious state-level mathematics exhibition, attended by over 500 peers.

ADDITIONAL INFORMATION

Language Proficiency: English ,Hindi