SURBHI RANA

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SKILLS

- Programming: Python, C++, Java
- Web Development: HTML, CSS, Bootstrap
- Database Management: MySQL
- Frameworks & Tools: Django, Bootstrap
- AI/ML & GenAI: Machine Learning, Generative AI (GenAI)
- Project Management: Planning, Execution, Adaptation
- Problem-Solving: Analytical, Troubleshooting

PROJECTS

Nostalgia Chronicles

What I Did:

- Developed "Nostalgia Chronicles", a Django-based platform for personalized nostalgic content.
- Built a clean UI using HTML, CSS, JS, and Bootstrap.
- Integrated generative APIs for dynamic content curation.
- Designed with a nostalgic theme to enhance user engagement.

Potential Impact:

- Delivers content that evokes positive emotions, fostering strong emotional user connections.

ResuMate

What I Did:

- Developed a resume builder website with live preview and download options.
- Implemented a GenAI-based ATS score calculator based on job profiles.
- Designed a user-friendly interface using HTML, CSS, JS (no backend logic).

Potential Impact:

- Assists users in improving their resumes for better job matching and visibility.

Fraud Detection using LLM and RAG

What I Did:

- Created a system combining LLM and Retrieval-Augmented Generation for fraud detection.
- Processed financial documents to flag anomalies and generate contextual explanations.
- Used GenAI for enhanced analysis and dynamic reporting.

Potential Impact:

- Aids auditors and institutions in detecting fraud with improved accuracy and context.

Virtual Mouse with Custom Gestures

What I Did:

- Built a virtual mouse using OpenCV and hand gesture recognition.
- Enabled users to assign specific tasks to custom hand gestures.
- Focused on user-defined control for personalized interactions.

Potential Impact:

Enhances accessibility and human-computer interaction through gesture-based control.

ACHIEVEMENTS

· Lead, R&D Team, E-Cell Club: Directed a 5-member team, driving a 30% increase in student engagement through innovative projects and workshops.

· Hackathon Experience: Participated in Smart India Hackathon, 5th Technovation Hackathon,6th Technovation Hackathon, and other national/inter-university competitions, gaining hands-on experience in teamwork and problem-solving.

· Technical Exploration: Explored AI/ML and Web Development working on diverse projects to expand technical proficiency.

CERTIFICATIONS

· Java Fundamentals And Database Foundation And Dabatbase Programming with PL/SQL (ORACLE)

· DS Ai/Ml (Bootcamp)

· Amazon Web Services (Amazon)

· Project Management: Planning, Execution, Evaluation And Control and Managerial Economics (NPTEL)

EDUCATION

· Bachelors of Technology in CSE

Sharda University, Delhi | Sept 2022 – Present | GPA: 9.2(Till 5th Sem)

· Intermediate

S.V.S.V.M, Rajendra Nagar(NCR) | 2021 – 2022 | Percentage: 95.6%

· Matriculation

S.V.S.V.M, Rajendra Nagar(NCR) | 2019 – 2020 | Percentage: 92.4%