YASHVI SHARMA

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SUMMARY

I am a student driven by a passion for solving complex challenges and creating impactful solutions. Keen to develop innovative systems that optimize efficiency and scalability. Recognized for a collaborative mindset, strong leadership abilities, and a commitment to personal and professional growth.

TECHNICAL SKILLS

- Java
- Python
- AWS
- MySql
- MongoDB
- Power BI
- HTML/CSS
- React
- Git and Github
- Data Analysis and Visualisation
- Scikit-learn

WORK EXPERIENCE

SWE Fellow, Headstarter AI   **July 2024 - Aug 2024**

- Developed five projects, including **PantryInsight** and **ResumeCraft**, gaining over 100+ views during hackathons
- Collaborated with a cross-functional team to implement scalable and user-friendly solutions using React.js ,Next.js and Generative AI.

EDUCATION

Bachelor of Technology   **Aug 2023 - Present**

Lovely Professional University, Jalandhar, Punjab
- CGPA: **8.72**
- Specialization in Artificial Intelligence and Data Engineering

Sr Secondary School   **April 2022 - May 2023**

Delhi International School, New Delhi
- Percentage: **83.3%**
- Elected as the Chief Editor of School newspaper
- Member of zonal team of Handball

PROJECTS

LEARNING MANAGEMENT SYSTEM

Technology: Python, MySQL, Tkinter
- Developed an intuitive learning management system to streamline course, grade, and attendance tracking for students and educators.
- Designed as a team project to enhance practical knowledge and deliver a functional solution for educational institutions.

AI-FRAUD DETECTION SYSTEM

Technology: Pandas,Scikit-Learn, PySpark, AWS, Gemini API
- Designed a system where AWS Lambda triggers on S3 uploads, processing transactions using a pre-trained fraud detection model using Pandas and scikit learn.
- Secure access is managed via AWS IAM.
- Used Apache Spark on AWS Glue for large-scale transaction processing. Applied a Scikit-Learn model to detect fraud efficiently.
- Integrated Gemini API to generate fraud analysis reports, highlighting transaction anomalies and high-risk areas, stored in AWS S3.

HEALTHCARE DATA ANALYSIS IN INDIA

Technology: Python, NumPy, Pandas, Seaborn, Matplotlib
- Analyzed nationwide healthcare data to uncover trends in disease outbreaks, healthcare access, and population demographics.
- Utilized advanced data visualization to present actionable insights, supporting strategic improvements in public health.

REAL-TIME CHAT APPLICATION

Technology: HTML/CSS, Flask, SocketIO, MongoDB
- **Developed a real-time chat app using Flask as the backend framework and Socket.IO for real-time bi-directional communication**
- **Integrated MongoDB to store and manage chat messages persistently**
- **Implemented user presence features including join and leave notifications**
- **Enabled multi-user interaction within shared chatrooms**
- **Designed and deployed a clean, responsive UI for cross-device compatibility**

ADDITIONAL INFORMATION

- **Extracurricular:** Open Source Contributor with 10+ pull requests accepted, Volunteering for Environmental, Video Editor
- **Languages:** English, Hindi, French
- **Certifications:** Microsoft certified: Azure Data Fundamentals (DP-900)
- **Achievements:** Bronze Medal on Kaggle Notebook, 100+ Leetcode questions