AAYUSH SHARMA

Aspiring AI/ML Engineer

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📍 India

SUMMARY

I'm a big fan of AI and always eager to learn more. I pick up new things quickly and pay attention to the details. Even in fast paced environments, I'm comfortable and adaptable, always ready to embrace change. I love solving problems and am excited about making a difference in the world of AI and ML.

PROJECTS

XAI For Autonomous System (On going research project)

- Integration of SHAP and LIME libraries for real-time interpretability in autonomous systems done using PyTorch.
- Analyzing features to understand model predictions while implementing LIME for model-agnostic explanations.
- Developing visualizations for intuitive insights for enhanced system transparency.

Hand Cricket Game

- Developed a Hand Cricket game using Python, OpenCV, and MediaPipe library.
- Utilized MediaPipe for real-time hand tracking and gesture recognition.
- Implemented computer vision techniques to detect hand landmarks for gesture-based moves.
- Incorporated dynamic score tracking and randomized computer opponent for an interactive gaming experience.

Cake Recommendation Engine

- Created a personalized cake recommendation system for bakery platform, utilizing machine learning to analyze customer flavor preferences. Hybrid filtering was implemented.
- Integrated real time collaboration features allowing customers to provide feedback and engage with bakers for customizations.
- Provided bakers with insights into customer preferences and innovative cake ideas.
- Leading to enhanced customer satisfaction and market differentiation within the Bakery Platform.

Swiggy like Bakery Ordering Platform

- Developed a Swiggy-like web app for bakers using Java Spring Boot.
- Implemented optimized SQL database schema for efficient data management.
- Designed and implemented robust backend functionalities and RESTful APIs.
- Proficiency in Java Spring Boot maven framework and SQL database design.

EDUCATION

Btech in Computer Science with Specialisation in AI and ML (Minor specialisation in NLP)   10/2021 - Present

Manipal Institute Of Technology, Manipal, Karnataka, India

PCM (CBSE)   03/2021

Kothari International School, Noida, UP, India

STRENGTHS

⭐ **Strategic Planner**
Developing steps along the way to achieve "big picture" results

💎 **Strong WillPower**
Doesn't give up when given a hard problem

SKILLS

DSA · OOP · SQL · PostgresSQL · OS · AI/ML · OpenCV · Spring Boot · Bootstrap · PyTorch · PySpark · MapReduce · Pandas · Numpy · Scikit learn · TensorFlow · Verilog/TestBench · MPI · Cuda · Django · OpenCL · GCP

Communication · Problem Solving · Critical Thinking · Teamwork · Empathy · Management

LANGUAGES

Python

Java

C

Html/Css/Javascript

PASSIONS

⚙️ Robotics

🛠️ Crafting

🗺️ Petrol Head

🎮 Gaming