Ayush Thakur

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About

Enthusiastic engineering student with a Computer Science degree specializing in AI and Data Science. I like to take on challenges and with my determination I try to solve them. With a keen eye for detail and a strong commitment to continuous learning, I want to start my career in growing and demanding technical line..

Education

Panipat Institute of Engineering and Technology, Btech in Computer Science with AI and Data SCience — 2021 – 2025

Experience

Internship, Motherson Technology Services limited — Aug 2023 – Sept 2023

- Completed a one month internship in Data Analysis domain.
- Used Ms Excel for Data cleaning and transformation.
- Used MySQL server for data analysis
- Used PowerPoint and Qlik view for data visualization and reports

Internship, KradleJoy OPC limited — July 2024 – Sept 2024

- Completed a 45 days internship in machine learning domain.
- Developed Python Scripts for OCR analysis using Easy OCR and OpenCV
- Also worked in front end domain using React.
- Integrated the generated JSON scripts from OCR analysis to DynamoDB

Projects

RAG chatbot

- Developed a RAG chatbot using Ollama with frontend using React. The chatbot processes a PDF given by user than use Mistral AI model which is a 7B parameter model, for outputs
- Tools Used: Python, Ollama, React, FastAPI

Crypto Currency Analysis in real time

- Developed a software for analyzing and presenting the KPIs of cryptocurrency exchange in real time with generating report in every given interval of time
- Tools Used: Python, MS Excel, SQL

Custom Operating System

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C, C++

Technologies

Languages: C++, C, Python, SQL, JavaScript,

Technologies: React, Next.js, FastAPI, Microsoft SQL Server, DynamoDB, Python ML libraries, Git, VS code, Dev C++