Sarthak

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Github
Linkedin

Data Science and AI enthusiast with experience in ML, cybersecurity, and AI test generation. Interned at IBM and DRDO, developed AI projects, and won hackathons. Skilled in Python, LangChain, CrewAI, and SQL, with a passion for problem-solving and continuous learning.

EXPERIENCE

DRDO, DESIDOC — *Winter Intern*

JANUARY 2025 - FEBRUARY 2025

Authored a 40+ page VAPT report covering methodologies, risks, and mitigation strategies. Analyzed 20+ industry reports for alignment with cybersecurity standards and included 5+ case studies on real-world threats.

IBM Skills Program — *Data Analytics Intern*

JULY 2024 - AUGUST 2024

Analysed a vehicle dataset of 7,000+ entries, identifying key emission trends and providing actionable insights that contributed to optimizing data-driven recommendations for environmental impact. Making a model of accuracy 90+%.

EDUCATION

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY, ROHINI — *BTech*

SEPTEMBER 2023 - JULY 2027

SGPA: 8.6 (up to the 3rd semester)

DAV PUBLIC SCHOOL, GHAZIABAD - CBSE

MARCH 2009 - SEPTEMBER 2023

Class 10th - 87%
Class 12th - 94%

Project Name — *Smart Prep.AI (Lang chain, Crew AI, SQL)*

Created a RAG-based MCQ generator that analyses PDFs to create tests, offers analytics, and suggests improvements using AI agents. Results are stored in SQL for insights.

CNN-Based Plant Disease Predictor with Tensorflow and Streamlit

Designed a CNN using TensorFlow and Keras for plant disease classification. Trained the model on a Kaggle dataset. Deployed the model in a Streamlit app for real-time disease prediction from images.

SKILLS

Python, LangChain, MySQL , PowerBI, C/C++. TensorFlow and Keras, Excel, Flask, GenAI, Leadership, Team Work, Communication Skills, Listening Skills

AWARDS

Mind Over Data (MOD) Data Science Challenge – Winner

Code Wizard Hackathon - (SRM Ghaziabad) – 3rd Place Developed data-cleaning, analysis, and visualization solutions for mental health awareness using Power BI.

Smart India Hackathon (SIH) Finalist Designed a hospital management solution addressing queuing models, bed availability, and inventory management.

LANGUAGES

English and Hindi