

Harshit Aggarwal

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EDUCATION

Bachelors of Technology | Computer Science and Engineering

2021 - 2025 (Expected)

Maharaja Agrasen Institute of Technology, New Delhi

- CGPA - 8.701(till 6th semester)

SKILLS

Programming Languages

- Python, C/C++, Java, HTML/CSS/JS, Flutter, Dart, Scala

Database Management

- SQL, MongoDB

Frameworks

- Scikit-Learn, Keras, TensorFlow, PyTorch, Transformers, Flask, Django, FastAPI, Docker, Streamlit, Ray

Machine Learning and Data Science

- Data Structures, Algorithms, MLOps, Natural Language Processing, Computer Vision, Speech Processing, Transformers, Model Evaluation, Model Deployment, Data Analytics, Statistics, Data Visualization, Time Series Analysis.

Cloud Technologies

- AWS, Heroku (for app deployment)

Big Data Technologies

- Spark, Kubernetes

INTERNSHIP EXPERIENCE

Cantilever.in (AI/ML Intern)

July 2024 - August 2024

- Designed and implemented NLP models for chatbot functionality with 95% accuracy.
- Developed image captioning models that generated captions with 90% accuracy using Flask and AWS.

Rinex (ML Intern)

September 2022 - November 2022

- Built predictive and decision-making models utilizing advanced data analysis techniques and effective feature engineering to deliver reliable insights. Utilized cross-validation and sampling methods to ensure fairness and minimize bias in model outputs.

PROJECTS

ResurrectAI

July 2024 - Present

- Crafted an AI chatbot utilizing fine-tuned large language models (LLMs), allowing users to interact with historical figures, increasing user engagement by 30%.
- Documented the technical architecture, ensuring smooth deployment and iterative improvements, and enabling adoption of sophisticated algorithms.
- Integrated the chatbot into an Android application to enhance user accessibility.

CaptionCraft

July 2024 - August 2024

- Engineered an image captioning model using CNN and LSTM, achieving 90% accuracy for real-time caption generation. The model was launched the model using Flask.

End to End ML Project

September 2024 - Present

- Built a complete machine learning pipeline for data preprocessing and model inference.
- Executed the pipeline on AWS, enabling real-time interaction that improved response time by 15%.

COURSES

- Getting Started with Artificial Intelligence by IBM, Fundamentals of Artificial Intelligence by IBM, Python for Data Science by Infosys Springboard

ACHIEVEMENTS

- Achieved a score of 75.4% on the AMCAT Employability Test
- Ranked in the top 3.5% globally on LeetCode with a rating of 1956.

LANGUAGES

English
Fluent

German
Beginner

Hindi
Native