

HARSHITA

Delhi, India

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EDUCATION

VIT Bhopal University

B.Tech (CSE Core) - CGPA: 8.44

Sept 2022 - Sept 2026

Bhopal, India

Brilliants' Convent School, Delhi

CBSE XII - Percentage: 83.2%

May 2022

Delhi, India

Brilliants' Convent School, Delhi

CBSE X - Percentage: 83.8%

Mar 2020

Delhi, India

SKILLS

- C++
- Python
- Machine Learning
- Databases: MongoDB, SQL
- MERN Stack
- HTML, CSS, JavaScript
- OOP Concepts
- Data Structures & Algorithms

EXPERIENCE

DRDO

Dec 2024 - Jan 2025

Research Trainee

- Worked on a fire training simulation project using Virtual Reality (VR) to enhance firefighter training and response strategies.
- Developed immersive VR environments to create realistic fire scenarios for improving safety and decision-making skills.

PreProd Crop

Sept 2024 - Oct 2024

Data Analyst Intern

- Developing AI/ML-based products for the PreProd Opnsrc platform, contributing to data-driven solutions.
- Designed and optimized data pipelines using SQL and PySpark, enhancing ETL processes and data accuracy. Data metrics and visualizations were created in Power BI, delivering actionable insights for business decisions. Assisted in building machine learning models for predictive analytics using Python and scikit-learn.

Omdena New Delhi Chapter

May 2023 - Jun 2023

Web Dev Lead

- Developed an AI model achieving 85% accuracy in predicting cough severity based on air pollution data, enabling timely public health interventions which were accessed by over 2,000 users in the first month.
- Used 4+ technologies including Machine Learning, Streamlit, Flask, and Cloud services.

PROJECTS

Automated MLOps Pipeline 🚀 | Data Version Control, Git, MLflow, Python, Docker

Oct 2024

- Built an automated MLOps pipeline with DVC for data versioning, MLflow for experiment tracking, and Git for code management, ensuring reproducibility and seamless collaboration.
- Integrated Docker and FastAPI for scalable model deployment, enabling efficient API-based model serving and monitoring in production environments.
- Established drift monitoring and trigger-based re-training mechanisms to maintain model performance over time, ensuring continuous adaptation to data changes.

Avenge.AI 🚀 | Python, Flask, Node.js, ReactJS, and SQLite3h

Aug 2024

- Engineered a full-stack AI platform enabling users to upload datasets in .csv and .xlsx .xls formats, pre-process data, and train 5 distinct machine learning models with ease.
- Implemented advanced data preprocessing and integrity management, achieving up to 95% training accuracy and 92% testing accuracy on benchmark datasets.
- Played a key role as a Data Engineer in a team of 5 engineers, optimizing model deployment and enhancing user experience through a robust tech stack including Python, Flask, Node.js, ReactJS, and SQLite3.

Text Summarizer NLP | AWS cloud, Github, NLP, Docker

Jun 2024

- Developed and deployed a text summarization tool to reduce information overload by creating concise summaries while maintaining key points and overall meaning, processing over 1000+ text samples for training and validation.
- Achieved significant text reduction ratios (e.g., 10:1, 20:1) without compromising relevance and importance of extracted information. Utilized AWS Cloud for deployment and leveraged GitHub for version control and Docker for containerization.

Promptopia | Github, Vercel, MongoDB, Google Auth, Next.js

Jun 2023

- Built a Next.js platform for sharing and discovering AI prompts, enhancing user experience and AI tool utilization, and curated prompt categories with detailed usage instructions, improving prompt effectiveness by 15%.
- Leveraged Vercel for deployment and MongoDB for data storage, enabling the platform to handle 1000+ monthly active users with minimal performance degradation. Integrated Google Auth for secure user management and privacy protection.

POSITION OF RESPONSIBILITY

iOS Club, VIT Bhopal

Jan 2023 – Present

Lead (Tech team)

- Delivered immersive workshops on iOS development, 5 advanced frameworks over a 4-week period; enabled participants to build functional apps, with 90% showcasing completed projects by the end.

CO-CURRICULAR

- **AWS AI ML Scholar:** Awarded full tuition for Udacity's AI Programming with Python Nanodegree. Received mentorship from AI/ML professionals and gained expertise in Python, NumPy, Pandas, Matplotlib, and deep learning fundamentals. (Oct 2024 - Feb 2025)
- **Open Source Contributions:** Hacktoberfest Contributor (Sept 2024 - Oct 2024), GirlScript Summer of Code Contributor (May 2024 - Jul 2024)
- **Certificates:** Responsive Web Design - freeCodeCamp, Python - Vityarthi, JavaScript - HackerRank, Cloud Computing - NPTEL, Nanodegree: AI Programming with Python - Udacity
- **Hackathons:** Finalist in VIT Unplugged24 hackathon, First Runner-up in Buildathon24, TOP 6 in VITB-JHU Health-Hack 2025

Additional

- **Languages:** Hindi, English
- **Hobbies:** Dance, Taekwondo