Harshita

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github.com/Harshita-2205

Education

VIT Bhopal University, B.Tech in Computer Science (CSE Core)   Sept 2022 – Sept 2026

- CGPA: 8.44/10.0
- **Location:** Bhopal, India

Brilliants' Convent School, CBSE XII   May 2022

- Percentage: 83.2%
- **Location:** Delhi, India

Brilliants' Convent School, CBSE X   Mar 2020

- Percentage: 83.8%
- **Location:** Delhi, India

Technologies

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

Web Development: MERN Stack (MongoDB, Express, React, Node.js), HTML, CSS, Next.js

Data & AI/ML: Machine Learning, PySpark, scikit-learn, Power BI, NLP

DevOps & Tools: Docker, Git, MLflow, DVC, AWS Cloud, FastAPI, Flask

Experience

Research Trainee, DRDO – Delhi, India   Dec 2024- Jan 2025

- Created and built an immersive virtual reality (VR) firefighter training simulation that improved safety procedures and decision-making abilities by simulating actual fire situations, greatly increasing the efficacy of emergency response teams' training.

Data Analyst Intern, PreProd Crop – Remote/Delhi, India   Sept 2024- Oct 2024

- At PreProd Opnsrc, I designed and executed end-to-end AI/ML solutions, creating optimized SQL/PySpark data pipelines (40% faster ETL), Power BI dashboards (30% faster choices) and predictive models (25% accuracy boost) to provide data-driven business outcomes.

Web Dev Lead, Omdena New Delhi Chapter – Delhi, India   May 2023- Jun 2023

- Developed an AI cough severity predictor with 85% precision using Python, Flask, Streamlit, and cloud services, enabling timely health alerts for 2,000+ users by analyzing air pollution data.

Projects

Avenge.AI

- Using Python, Flask, ReactJS, and SQLite, a full stack AI platform was designed that allowed for smooth upload of datasets, preprocessing, and training of 5 machine learning models. The platform achieved 95% training accuracy and 92% testing accuracy in benchmark data sets, and the deployment was optimized for a better user experience.
- Tools used: Python, Flask, Node.js, ReactJS, SQLite3

Text Summarizer NLP

- Developed an NLP text summarisation solution with AWS and Docker that analyzed over 1,000 text samples to automatically produce concise overviews while maintaining important details, hence minimizing end users' information overload.
- Tools used: AWS Cloud, GitHub, NLP, Docker

Promptopia

- Constructed a Next.js AI prompt-sharing platform that used Google Auth for secure access and MongoDB for data storage, increasing prompt efficacy by 15% and improving user engagement through carefully chosen prompt categories and comprehensive instructions.
- Tools used: GitHub, Vercel, MongoDB, Google Auth, Next.js

Positions of Responsibility

Tech Team Lead, iOS Club, VIT Bhopal   Jan 2023 – Present

- Delivered immersive workshops on iOS development covering 5 advanced frameworks over 4 weeks
- Enabled 90% of participants to build functional apps by the end of the program

Awards & Achievements

AWS AI ML Scholar (October 2024 - February 2025): Awarded full tuition for Udacity's AI Programming with Python Nanodegree. Received mentoring from AI/ML professionals.

Hackathon Achievements:

- Finalist in VIT Unplugged24 hackathon
- First Runner-up in Buildathon24
- Top 6 in VITB-JHU Health-Hack 2025

Open Source Contributions:

- Hacktoberfest Contributor (Sept 2024 - Oct 2024)
- GirlScript Summer of Code Contributor (May 2024 - Jul 2024)

Certifications

- **Nanodegree:** AI Programming with Python - Udacity
- **Responsive Web Design** - freeCodeCamp
- **Python** - Vityarthi
- **JavaScript** - HackerRank
- **Cloud Computing** - NPTEL

Additional Information

Languages: Hindi (Native), English (Fluent)

Hobbies: Dance, Taekwondo