ABHAY CHATURVEDI

📍 Satna, Madhya Pradesh — ✉ achaturvedi082@gmail.com — 📞 +91 7610393520 — 🔗 linkedin — 🌐 India

EDUCATION

Harcourt Butler Technical University, Kanpur,India
Master's in Computer Application

Enrolled: August 2023 — Expected: May 2025
Overall GPA: 9.1

Dr, D.Y Patil Institute, Pune,India
Bachelor's in Computer Science

Enrolled: August 2020 — Passed: May 2023
Overall GPA: 9.4

EXPERIENCE

AIQUANTUM SMART SOLUTIONS PVT. LTD.
Intern

NITK Surathkal, Karnataka
May 2024 - June 2024

- Learned and applied expertise in Image Processing using OpenCV, and implemented various Machine Learning algorithms across multiple applications.
- Designed a robust machine learning-based spam classifier system using Python and libraries like scikit-learn and NLP techniques to classify emails and SMS messages as spam or legitimate.
- Implemented and fine-tuned classification models (e.g., Naive Bayes, SVM) to achieve high accuracy of 98% and precision score of 1.00 in detecting spam across datasets.
  Project Link: Live Code
  Certificate: Link

PERSONAL PROJECTS

1. OlympiaMetrics:
Project Link: Live Code

- Developed OlympiaMetrics, a data-driven platform analyzing over 200,000 Olympic records, showcasing trends and medal distributions across 120+ years using Python (Pandas, NumPy).
- Engineered interactive visualizations with Matplotlib, Seaborn, and Plotly, achieving sub-200ms query responses for dynamic, user-driven exploration.
- Built a Streamlit-based dashboard supporting real-time queries filtered by year, sport, or country, with efficient data handling and 98% performance efficiency.
  Technologies Used: Python,Pandas,NumPy,Matplotlib,Seaborn,Plotly,Scikit-learn,Pycharm,Streamlit,Render.

2. The A-Star Journey: Find Your Way:
Project Link: Live Code

- Built an interactive full-stack web application that visualizes the A* pathfinding algorithm, allowing users to set start and end points, create obstacles, and observe the algorithm's operation in real-time.
- Tackled the complex challenge of dynamically adjusting the pathfinding algorithm for varying grid sizes of 10x10, 15x15, and 20x20 while maintaining efficient performance and accurate path visualization.
  Technologies Used:: Python (Django), JavaScript, HTML/CSS, deployed on Render.

SKILLS

- **Coursework:** Operating System, DBMS, Object-Oriented Programming.
- **Languages:** C,C++, Python, HTML, CSS, SQL.
- **Version Control:** Git,GitHub.
- **Framework:** Streamlit,Django.
- **Soft Skills:** Volunteering, Planning, Adaptability.

POSITION OF RESPONSIBILITY

1. Fundraising Volunteer at ODMP, Puri
March 2024

- Successfully raised 5000rs from donors to support the cause.
- Demonstrated excellent communication and persuasive skills in fundraising efforts. *Certificate:* Link

CERTIFICATIONS

1. The Complete Python Developer,Udemy *Certificate:* Link
March 2024

HOBBIES

- Reading: Bhagavad Gita, Autobiographies, Fiction
- Travelling