Aditya Raj

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👤 PROFESSIONAL SUMMARY

Final-year B.Tech (CSE) specializing in Machine Learning and Data Science. Skilled in Python, TensorFlow, and Flask, with hands-on experience building predictive models (89% accuracy) and scalable APIs. ONGC Scholar | 120+ LeetCode solutions.

🎓 EDUCATION

B.Tech in Computer Science & Engineering, *Central University of Haryana*   2021 – present
  CGPA-7.9/10

CBSE (XII), *Gyan Bharti Residential Complex*   2018 – 2020
  GRADE-92.66%

CBSE (X), *Gyan Bharti Residential Complex*   2018
  GRADE-84.4%

💼 PROFESSIONAL EXPERIENCE

Data Analyst, *Surepass Technologies* 🔗   01/2025 – Present │ New Delhi
- Automated data pipelines using Python and APIs, reducing processing time by 30%.
- Analyzed 10,000+ records to deliver actionable insights, improving decision-making accuracy by 25%.

Data Science Intern, *LetsGrowMore*   06/2024 – 07/2024 │ Work From Home
- Built predictive models (Random Forest, XGBoost) with 85% accuracy to forecast customer trends.
- Optimized data cleaning workflows using Pandas, cutting manual effort by 40%.

📁 PROJECTS

Flask API for IPL Data Analysis & Winning Prediction 🔗
- Developed a RESTful API using Flask, Python, Pandas, NumPy, and Scikit-learn to analyze match data and predict outcomes.
- Engineered efficient data pipelines, showcasing expertise in web development and machine learning.

Web Scraping & Data Integration: 🔗
- Built a robust web scraper with Python, BeautifulSoup, and Requests to extract and process financial data, refining skills in data cleaning, automation, and real-time data integration.

Manufacturing Predictive Analytics & Downtime Forecasting 🔗
- Developed a predictive analytics solution for manufacturing using supervised machine learning to forecast machine downtime based on key operational parameters.
- Created RESTful API endpoints for data upload, model training, and prediction, enhancing maintenance scheduling and operational efficiency.

Image Processing Web Application & Scalable Deployment 🔗
- Developed a Flask-based web application offering image processing tools such as JPG to PDF conversion, image compression, and cropping.
- Leveraged key libraries like Pillow and img2pdf for efficient processing, and deployed the solution on Render for scalable access.

🧠 TECHNICAL SKILLS

Programming: Python, C, C++

Frameworks & Libraries: TensorFlow, Scikit-learn, Flask, Pandas, NumPy, BeautifulSoup (Web Scraping).

Specialized Areas: Git, MySQL, MongoDB, Render, Machine Learning (ML),Natural Language Processing(NLP), Data Visualization, Object Oriented Programming (OOP) , API Development

🧩 ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

ONGC Scholarship for Academic Excellence
- Prestigious award recognizing top 5% academic performance, providing financial support and mentorship to foster future leaders.

Student Council & Department Representative
- Actively represented student interests at Central University of Haryana, enhancing communication between faculty and students.

Techfest & Cultural Fest Organizer
- As a core member of CUH Techfest and Cultural Fest, successfully coordinated events drawing over 5,000 attendees, showcasing strong organizational and management skills.