DEVANSH SINGHAL

Faridabad, Haryana

📞 +91-8851677030 ✉ devanshsinghal627@gmail.com 🔗 LinkedIn GitHub

EDUCATION

National Institute of Technology, Kurukshetra   **2023 − 2027**
Bachelor of Technology in Artificial Intelligence and Machine Learning - CGPA: 9.15   *Kurukshetra, India*
JEE MAINS: 99.29 percentile
CLASS X: 92.5%   **CLASS XII: 92%**

COURSEWORK / SKILLS

- Computer Science Fundamentals
- Data Structures & Algorithms
- AI & Problem Solving
- Database Management Systems
- Machine Learning Algorithms
- Deep Learning
- Full Stack Web Development
- Software Engineering Practices

PROJECTS

EDA on Global Poverty & Income Inequality | Python, Pandas, Matplotlib, Seaborn   **February 2025**
- Analyzed global poverty rates, income distribution, and inequality indices using comprehensive data analysis techniques.
- Created interactive data visualizations using **choropleth maps**, **scatterplots**, and **heatmaps** for economic disparity analysis across different regions and time periods.
- Implemented statistical methods to study time trends, poverty-income correlations, and wealth gaps between countries.
- Built **interactive dashboards** with Plotly & Streamlit to forecast poverty trends and visualize economic metrics dynamically.

Flipkart Price Tracker | Python, BeautifulSoup, Requests, Matplotlib, Tkinter   **December 2024**
- Developed a web scraping application that monitors and extracts real-time product prices from Flipkart using **BeautifulSoup** and **Requests**.
- Implemented an automated tracking system with scheduled checks every 30 minutes, persisting historical price data in CSV files for analysis.
- Designed a user-friendly **GUI interface** with Tkinter allowing users to input product URLs and configure custom price drop alerts.
- Integrated a notification system using **SMTP** that sends email alerts with dynamically generated price history graphs and purchase recommendations.

Fuzzy-based Resume Ranking System | Python, NLP, Fuzzy Logic, NLTK   **February 2025**
- Developed an intelligent resume ranking system using **fuzzy logic** principles to automate candidate evaluation for HR departments.
- Implemented **Natural Language Processing** techniques to extract key information from resumes and match with job descriptions.
- Created a **fuzzy inference system** that evaluates candidates based on multiple criteria including education, skills, and experience.
- Built a user-friendly interface allowing recruiters to customize ranking parameters and generate sorted candidate lists with confidence scores.

TECHNICAL SKILLS

Languages: Python, C++, C, JavaScript, TypeScript
Libraries: PyTorch, Pandas, Matplotlib, Seaborn, NumPy, Plotly, Scikit-learn
Frontend: ReactJS, NextJS, HTML/CSS, Responsive Design
Backend: NodeJS, ExpressJS, RESTful APIs ,Django
Databases: MongoDB, MySQL, Redis
Developer Tools: VS Code, Docker, Git, Version Control
Soft Skills: Effective Communication, Teamwork & Collaboration, Critical Thinking, Time Management

CERTIFICATIONS

- Machine Learning Specialization
  - Supervised Learning: Linear Regression, Logistic Regression
  - Advanced Learning Algorithms: Neural Networks, Decision Trees, Tree Ensembles, PCA
  - Unsupervised Learning, Recommender Systems, Reinforcement Learning