MAYANK PRATAP SINGH

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Career Objective

Motivated and detail-oriented B.E. Computer Science Engineering student with hands-on experience in AI, Data Analytics, and Embedded Systems.Open about academic delays due to personal and financial challenges — currently focusing on skill development, hands-on projects, and industry exposure to build a practical foundation for a career in analytics. Proficient in Python, machine learning, and visualization tools.

Education

Chandigarh University– Mohali, Punjab

B.E. in Computer Science Engineering **(August 2021 – Present)**

LUCKNOW PUBLIC SCHOOL– Lucknow, Uttar Pradesh

Class XII, 73% **(April 2019 – May 2020)**
Class X, 59% **(April 2017– May 2018)**

Experience

Artificial Intelligence Intern **(Jan 2025 – July 2025)**
1Stop.ai (Remote)

Developed ML models using Python and libraries such as TensorFlow and scikit-learn.

Conducted data preprocessing and analysis for supervised learning tasks.

Gained practical experience in team-based model training and AI system architecture.

Projects

Fake News Detector **May 2025**

Tools Used: *Python, NLTK, Logistic Regression, scikit-learn*

- Built a classification model to detect fake news using TF-IDF and NLP techniques.
- Delivered ~93% accuracy and demonstrated end-to-end supervised learning capabilities.

Vedantic Cosmos: Data Analysis of Universe Mentions in Vedas vs Modern Astronomy **June 2025**

Tools Used: *Python (NLTK, spaCy), Pandas, Matplotlib, Plotly, SQLite/NoSQL*

- Compare cosmological concepts (number of planets, size, multiverse, time cycles) mentioned in **Rigveda, Yajurveda, Upanishads**, etc., with modern scientific understanding.
- Use NLP to extract cosmic keywords from Vedas
- Create time-period-wise comparison charts

Intelligent Obstacle-Avoiding Car **July 2023**

Tools Used: *Arduino UNO, Ultrasonic Sensors*

- Designed an autonomous robotic vehicle capable of obstacle detection and navigation.
- Programmed embedded systems for real-time distance tracking and direction control.

Certifications

- Introduction to Data Analytics – Meta
- Introduction to Artificial Intelligence – IBM
- Preparing Data for Analysis with Microsoft Excel – Microsoft
- Apache Spark with Scala –<packt>
- Introduction to Data Engineering – IBM
- Technical Support Fundamentals – Google

Technical Skills

Languages & Databases: Python, C++, SQL, MySQL
Libraries & Frameworks: TensorFlow, scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, NLTK
Developer Tools: Git, GitHub, Jupyter Notebook, Google Colab, VS Code
Data Tools: Power BI, MS Excel
Miscellaneous: AutoCAD, Google Sheets