Pankaj Sharma

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Education

Acropolis Institute of Technology & Research — Indore, MP
Bachelor of Technology in Computer Science and Engineering, Specialization in Data Science. — *Aug. 2021 – May 2025*

Shri Barfani Academy — Indore, MP
Senior Secondary School Certificate in PCM from state Board Of Secondary Education. — *Apr. 2020 – May 2021*

New Nageshwar Academy — Indore, MP
High School Certificate from State Board of secondary Education — *Apr. 2017 – May 2018*

Experience

Data Analyst — Aug. 2022 – Oct. 2022
Teachnook with Aican

- Performed extensive EDA on large datasets to identify trends, patterns, and anomalies, which improved business decision-making processes .
- Utilized Python (Pandas, NumPy, Matplotlib, Seaborn) for data cleaning, manipulation, and visualization.
- Created interactive dashboards and visualizations using Tableau and Power BI, enabling real-time insights for stakeholders.

Projects

ASL Recognition | *Python, Deep Learning, LSTM, HTML, CSS* — Apr. 2024 – June 2024

- Developed a deep learning model to recognize and translate American Sign Language gestures into text.
- Collected and preprocessed image data of ASL gestures using OpenCV for model training.
- Created a responsive web application using React to capture video input and display predictions in real-time.

Spam Mail Detection | *Python, Machine Learning, Scikit-learn, NLTK, Pandas* — Oct. 2023 – Jan. 2024

- Developed a machine learning model to detect spam emails using natural language processing techniques.
- Collected and preprocessed email data using NLTK for tokenization, lemmatization, and stop word removal.
- Evaluated models using metrics like accuracy, precision, recall, and F1-score.
- Enhanced email filtering, significantly reducing the volume of spam emails.

Data Visualization Tool | *Python, Machine Learning, HTML, CSS* — July 2023 – Sep. 2023

- Developed a web application for visualizing different datasets. It helps user faster visualizing the data.
- Delivered an intuitive tool that enhanced data analysis capabilities for users, leading to better data-driven decision making.
- Improved data comprehension and insights through interactive and customizable visualizations.
- Achieved high satisfaction due to the tool's responsiveness and ease of use. .

Technical Skills

Languages: Python, C/C++, SQL (Mysql), HTML/CSS, Machine Learning.
Frameworks: Flask
Developer Tools:VS Code, Visual Studio, PyCharm.
Libraries: pandas, NumPy, Matplotlib, Scikit-learn, NLTK.