

PAYAL VERMA

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Nagpur, Maharashtra

PROFESSIONAL SUMMARY

Detail-oriented and motivated AI & Data Engineer with experience in data processing, machine learning, and cloud technologies. Skilled in Python, SQL, and big data tools, with a strong focus on building efficient ETL pipelines and AI models. Passionate about solving real-world problems through data-driven solutions.

EDUCATION

2022-2026

B.Tech - Artificial Intelligence

G. H. Rasoni College Of Engineering

TECHNICAL SKILLS

- Programming: Python, SQL, R
- Data Engineering: ETL Pipelines, Data Preprocessing, API Integration
- Machine Learning: TensorFlow, PyTorch, Scikit-learn, YOLO
- Big Data & Cloud: Apache Spark, Hadoop
- Databases: NoSQL
- Visualization: Power BI, Tableau

WORK EXPERIENCE

Data Analysis Intern – Cognifyz Technologies

April 2024 - May 2024

- Conducted exploratory data analysis (EDA) and created insightful reports.
- Applied predictive modeling techniques to forecast business trends.
- Improved data accuracy by 20% through effective data cleaning.

AI & Data Science Intern – InternPe

May 2024 – June 2024

- Built machine learning models for classification and regression tasks.
- Processed large datasets, improving model efficiency by 25%.
- Developed an end-to-end AI pipeline, from data collection to deployment.

PROJECTS

1. Spam Mail Detection using Machine Learning

- Implemented a classification model to detect spam emails using NLP techniques.
- Achieved 95% accuracy using TF-IDF and Random Forest Classifier.

2. Satellite Object Detection using YOLOv5

- Built a real-time object detection model for satellite imagery.
- Optimized the YOLOv5 model for high accuracy and fast inference.
- Evaluated model performance using Precision-Recall metrics.

CERTIFICATIONS

- Data Visualization – TCS
- Python Programming – Udemy
- RDBMS PostgreSQL Training - IIT Bombay