ATUL PANDEY

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• LinkedIn • GitHub • Portfolio

Professional Summary

Detail-oriented Data Analytics and Data Science professional with expertise in ETL pipelines, predictive modeling, and data-driven decision making. Skilled in Python, SQL, machine learning, and analytical reporting with experience transforming complex datasets into actionable insights. Strong background in communication, problem-solving, and operational optimization.

Technical Skills

- **Data Science & ML:** Python, scikit-learn, LightGBM, SQL, ETL Pipelines, NLP, TF-IDF, Feature Engineering, Predictive Modeling, Demand Forecasting
- **Web Development:** Flask, JavaScript, HTML, CSS, Bootstrap, SQLAlchemy, REST APIs
- **Tools & Platforms:** Git, Jupyter Notebook, Kaggle, MS Excel, MS Word
- **Soft Skills:** Analytical Research, Strategic Thinking, Report Writing, Communication, Mentoring

Professional Experience

Vanel Tech India Private Limited – Data Scraping Intern / ETL **June 2025 – March 2026**

- Performed end-to-end ETL operations and data scraping from diverse sources to support analytics initiatives
- Automated workflows for data collection, transformation, integration, and validation
- Maintained strict data confidentiality and prepared analytical reports for stakeholders
- Improved processing efficiency and reduced manual intervention by 40%

EAT English Data Analytics **March 2025 – June 2025**

- Tracked student engagement and response accuracy to optimize learning outcomes
- Generated customized learning paths using predictive analytics
- Analyzed voice interactions to improve educational delivery quality
- Created reports supporting curriculum enhancement and decision-making

College Dunia – Data Analytics Intern **January 2025 – February 2025**

- Developed predictive models to forecast trends and identify improvement opportunities
- Analyzed operational data to uncover efficiency gaps and optimization strategies
- Worked with modern analytics tools to improve analytical capabilities
- Delivered insights supporting strategic planning and resource allocation

Al Shajarah (Remote, Kuwait) – Data Analytics **October 2024 – December 2024**

- Collected and analyzed structured and unstructured datasets from multiple departments
- Prepared reports and presentations communicating business insights
- Collaborated with teams to support data-driven decision making
- Recommended operational improvements and optimization strategies

Projects

Comment Category Prediction (Kaggle Project) **Python, LightGBM, Scikitlearn**

GitHub Repository

- Built an end-to-end machine learning pipeline for multi-class text classification
- Engineered TF-IDF, numerical, and temporal features for improved performance
- Achieved 0.83187 Macro F1 score using LightGBM
- Applied cross-validation and hyperparameter optimization for robustness

Hospital Management System **Flask, SQLAlchemy, HTML, CSS**

GitHub Repository

- Developed a full-stack hospital management web application
- Designed responsive frontend interfaces using Bootstrap
- Implemented secure database operations using SQLAlchemy ORM
- Created REST APIs for efficient backend integration

Operational Efficiency Optimization **Python, MS-Excel**

GitHub Repository

- Analyzed sales and inventory data to identify profit stagnation causes
- Applied optimization strategies improving inventory utilization
- Presented actionable recommendations to stakeholders

Education

Indian Institute of Technology Madras **2022 – 2026**

Bachelor of Science in Data Science and Applications

Kids Garden Senior Secondary School, Dhanbad **2021**

Intermediate

Achievements

- Consistently maintained strong academic performance at IIT Madras
- Secured 1st place in Inter-High School Debate Competition
- Successfully led collaborative projects with timely delivery
- Continuously upskilling in data science and analytics technologies