Ayush Prajapati

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Professional Summary

Highly motivated Data Science professional with expertise in data engineering, visualization, and analytics. Proven experience in developing dynamic reports, maintaining data repositories, and building predictive models using Python and SQL. Adept at handling healthcare datasets, ensuring data integrity, and delivering actionable insights to drive informed decision-making.

EDUCATION

Master's in Advanced Computer Science

University of Sheffield • Sheffield, UK • GPA: 2:1 • 09/2023 - 10/2024

Relevant Coursework: Software Reengineering, Parallel Computing with GPUs, Machine Learning & Adaptive Intelligence.

Bachelor's in Computer Applications

Arka Jain University • Jamshedpur, India • GPA: 9.4 • 08/2019 - 06/2022

Relevant Coursework: Programming in Python, Database Management System, Data Structures and Analysis of Algorithms (C), Discrete Mathematics, Cloud Computing, Operating Systems, Time Series Analysis.

PROJECTS

Twitter Post Sentiment Analysis

- Preprocessed **1.6M** tweets using **NLTK**, **joblib**, and **regular expressions** for cleaning and stemming.
- Engineered features with **TfidfVectorizer** and trained models: **Logistic Regression**, **Naive Bayes**, **SVM** (**77.66%** accuracy).
- Conducted data visualization using **Matplotlib** and **Seaborn** to analyze text length and sentiment distribution.
- Deployed models with **Pickle** and integrated **VADER** for sentiment validation and future predictions.

WORK EXPERIENCE

Wipro Technologies • Coimbatore, India • 07/2022 - 08/2023
Systems Engineer • Full-time

- Monitored and maintained MSSQL servers, ensuring **99.9%** uptime.
- Reduced system response time by **20%** through **performance tuning**.
- Resolved an average of **30 client** issues per week with a **95% satisfaction rate**.

Onlei Technologies • Noida, India • 12/2022 - 06/2023
Data Science Intern • Internship

- Designed and maintained centralized **data repositories** using **MySQL Server** and **Python**, enabling efficient data storage and retrieval.

- Developed automated **ETL pipelines** using **Pandas**, **SQL**, and **Airflow**, reducing data refresh times by **40%**.
- Built dynamic dashboards with **Power BI** and **Tableau**, visualizing key performance indicators for improved decision-making.
- Implemented **machine learning models** using **Scikit-learn** for predictive analytics, achieving **85%** accuracy in forecasting.
- Conducted data preprocessing, including **data cleaning**, **feature engineering**, and **outlier detection**, ensuring data quality.
- Deployed machine learning solutions using **Streamlit** Application via **Tornado** framework,, enabling real-time predictions for web applications.
- Ensured compliance with **GDPR** and other data protection standards while managing sensitive client information.

SKILLS

Programming Languages: Java, JavaScript, Python, R, SQL

Data Tools: Matplotlib, NumPy, Pandas, Power BI, Scikit-learn, Tableau

Cloud Platforms: AWS, Google Cloud

Technologies: Data Visualization, Data Warehousing, ETL Pipelines, Machine Learning

Soft Skills: Analytical Thinking, Collaboration, Communication, Problem-Solving

Version Control: Git, GitHub, Gitlab, SVN

CERTIFICATIONS

Data Science with Python
Onlei Technologies

IBM Full Stack Developer Professional Certificate
Coursera

PART-TIME JOBS

McDonald's • 12/2023 - Present
Customer Care Assistant • Sheffield, South Yorkshire

- Delivered excellent customer service, handling customer inquiries, orders, and complaints in a fast-paced environment.
- Worked closely with team members to ensure efficient operations and timely food preparation.
- Managed customer issues and resolved them effectively, enhancing overall customer satisfaction.
- Quickly adapted to different roles, from cashiering to maintaining cleanliness, ensuring a smooth customer experience.
- Communicated effectively with customers and colleagues to maintain a positive dining experience.