SHIVOM MOYADE

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EDUCATION

UNIVERSITY OF CONNECTICUT, SCHOOL OF BUSINESS – HARTFORD, CT   **Dec 2024**
Master of Science in Business Analytics and Project Management, Concentration: Data Science

INSTITUTE OF ENGINEERING AND TECHNOLOGY (DAVV)- INDORE, INDIA   **Jun 2021**
Bachelor of Engineering – Mechanical Engineering

TECHNICAL SKILLS

- **Programming Languages**: Python, SQL, R, SAS, DAX, Low code development
- **Data Science:** Machine Learning, NLP, Time Series forecasting, TensorFlow, PyTorch, Keras, Scikit Learn, Clustering, LLM
- **Data Analytics**: Pandas, Numpy, EDA, Data Cleaning, Data Visualization, Feature Engineering, PCA, Data Modeling, ETL
- **Statistics**: Hypothesis Testing, A/B Testing, Probability Distributions, Regression Analysis, ANOVA, Chi-Square Tests
- **Software & Tools**: MS Excel, SAS, Tableau, Power BI, JMP, Jupyter, Google Colab, Git, Streamlit, Visual Studio, PySpark
- **Cloud Technologies & Databases:** Snowflake, Microsoft Azure, AWS, Amazon SageMaker, Oracle, MySQL, Hadoop
- **Project Management Skills**: Agile Methodologies, JIRA, MS Project, Scrum Practices

PROFESSIONAL EXPERIENCE

ACCENTURE SOLUTIONS PVT. LTD. - Software Engineer (Data Science)   **Indore, India | Jul 2021 – Jul 2023**
- Developed a paraphrase generation application using Transformer models to produce 16 stylistically varied sentences for each input
- Implemented Text Classification, using AWS SageMaker to discover underlying patterns, groupings, and structures in data
- Led data annotation initiatives using Amazon SageMaker, creatively overseeing the labeling and classification of 26k data points, enhancing performance and teamwork to improve the accuracy and effectiveness of integrated machine learning models
- Executed ETL with Hadoop on AWS to integrate and transform datasets of code annotation from the Honeycode apps library
- Collaborated with cross-functional teams to manage tasks enhancing interpersonal, communication and time management skills

ACCENTURE – Data Science Intern   **Pune, India | Apr 2021 – Jun 2021**
- Developed and maintained 15 reports using Oracle SQL and Oracle Reports Builder to meet the dynamic needs
- Optimized SQL queries and report performance by 30% to ensure efficient data retrieval and processing
- Collaborated with cross-functional teams to understand requirements and translate business needs into technical specifications

BHEL – Data Analytics Intern   **Bhopal, India | Dec 2019 – Jan 2020**
- Engineered a predictive model reducing material overstock by 15% and optimized inventory forecasts for stators and rotors
- Developed an interactive Power BI dashboard providing real-time inventory insights and facilitating strategic planning at BHEL

ACADEMIC PROJECTS

Sentiment Analysis and Prediction on Amazon Product Reviews (NLP, NLTK, ML, Neural Networks, Clustering, Python)
- Led a comprehensive sentiment analysis on 34,000+ Amazon product reviews to predict customer satisfaction levels using NLP
- Optimized sentiment prediction with ML and neural networks, achieving best result with fine-tuned LSTM model (93.7% F1-score)
- Executed topic modeling using LDA and NMF to cluster reviews, uncovering key insights into customer views on products

Health Insurance Premium Predictor (NumPy, Pandas, Seaborn, ML, Scikit-Learn, Flask)
- Developed web application to predict insurance premiums based on user inputs, enhancing decision-making for potential buyers
- Performed data exploration, cleaning, feature engineering, and implemented multiple ML regression algorithms
- Achieved optimal performance with Gradient Boosting (R^2: 0.8527) through hyperparameter tuning

Advertising Efficiency Analysis: Facebook vs. AdWords Campaigns (Pandas, EDA, Hypothesis Testing, Regression Analysis)
- Conducted A/B testing analysis for marketing agency on annual Facebook and AdWords campaigns, analyzing daily data and KPIs to demonstrate cost-effectiveness of the superior platform through statistical evidence, enabling data-driven decisions for clients
- Optimized resource allocation, resulting in 30% increase in conversions and 15% reduction in costs, enhancing client ROI

LLM-Powered Natural Language to SQL Application (LangChain, Streamlit, Sqlite3, Gemini Pro, NLP)
- Developed personalized LLM-based text to SQL application using Gemini Pro, transforming natural language into SQL queries
- Integrated a personal MySQL database to support tailored data analysis, improving user experience for specific operational needs