Navya Sri Kurapati

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Enthusiastic **Data Scientist** with a solid grounding in data analysis, statistical techniques, and machine learning. Known for strong communication and organizational skills that foster effective teamwork, with a keen interest in contributing to forward-thinking projects. A proactive learner with a passion for problem-solving and continuous improvement. Possesses strong analytical abilities and a foundational understanding of business principles, ready to make a meaningful impact in a fast-paced, growth-focused environment. Excited to apply technical expertise and business insight as an entry-level professional in a data-driven role.

Experience

Business Analyst | Kulture Hire · Internship | Bangalore
September 2024 - October 2024
During my Business Analyst Internship at Kulture Hire, I contributed to strategic decision-making by analyzing business data and pinpointing key trends. I worked closely with cross-functional teams to gather and evaluate business requirements, helping to shape project strategies in line with organizational objectives. This experience strengthened my skills in effectively communicating insights and translating complex data into actionable recommendations for stakeholders.

Data Analyst | Kulture Hire · Internship | Bangalore
August 2024 - September 2024
In my role as a Data Analyst Intern, I specialized in data extraction, cleaning, and visualization using SQL and Excel. I performed in-depth analyses to identify trends and patterns, delivering actionable insights that supported strategic decision-making. I also developed detailed reports and dashboards to present findings clearly to stakeholders, contributing to improved business performance.

Data Scientist | YBI Foundation · Internship | Bangalore
May 2024 - Jul 2024
Completed an internship as a Data Science and Machine Learning Intern, where I gained hands-on experience in building, training, and deploying predictive models. Leveraged data preprocessing, feature engineering, and model evaluation techniques to derive actionable insights from complex datasets. Collaborated with cross-functional teams to deliver data-driven solutions, enhancing my proficiency in Python, ML algorithms, and data visualization tools

Machine Learning Engineer | Atharvo · Internship | Bangalore
Jan 2024 - Feb 2024
My responsibilities involve data preprocessing, selecting models, and tuning hyperparameters to enhance model performance. I collaborate closely with data scientists and software engineers to build end-to-end machine learning pipelines, ensuring that models are production-ready and aligned with business objectives. Leveraging tools like Python, TensorFlow, and Scikit-Learn, I develop and optimize algorithms for tasks including classification, regression, and clustering. My role also focuses on continuous model monitoring and refinement, along with clear communication of model insights to cross-functional teams.

Projects

Advanced Personal Finance Optimization using ML

Objective: Built a tool to analyze spending patterns, predict future expenses, and recommend financial strategies.
Data Processing: Used Python, Pandas, and NumPy for data cleaning and feature engineering.
Modeling: Applied clustering algorithms (K-Means) and predictive models (Random Forest, Gradient Boosting) using Scikit-learn.
Visualization: Created insightful charts using Matplotlib and Seaborn for spending trends and optimization insights.
Deployment: Developed an interactive web application with Streamlit for real-time financial tracking.

Automated Resume Screening with NLP

Objective: Developed an AI-powered tool to rank resumes based on job descriptions using advanced NLP techniques.
Dataset: Utilized the Updated Resume Dataset to train and validate the model.
Text Processing: Applied text preprocessing techniques (tokenization, stemming, and lemmatization) using NLTK and SpaCy.
Embedding Models: Used BERT embeddings for semantic similarity between resumes and job descriptions.
Modeling: Implemented ranking algorithms to match candidate profiles with job requirements.
Deployment: Built a recruiter-friendly web interface using Flask for real-time resume ranking.

Stock Prediction Using Random Forest Regressor

Objective: Built a machine learning model to predict future stock prices based on historical data using a Random Forest Regressor.
Data Handling: Collected and cleaned stock data using Pandas; visualized trends using Matplotlib.
Feature Engineering: Utilized features like Open, High, Low, and Volume to predict the closing price.
Modeling: Trained and tested the model using scikit-learn's RandomForestRegressor, achieving high predictive accuracy.
Prediction: Successfully forecasted stock prices, demonstrating the model's potential for financial analysis.

Skills

Languages: Python, SQL
Libraries and Tools: Scikit-Learn,Pandas, Latex, Numpy, Pytorch, Tensorflow, Keras, Matplotlib, Seaborn, Django, Azure Data Factory,Power BI, GitHub, Git, NLTK
Courses: Python Programming and Data Structures & Algorithms, Differential Calculus, Data Analytics, Machine Learning Foundations and Applications, Deep Learning Foundations and Applications, Artificial Intelligence Foundations and Applications, Probability and Statistics, NLP, Artificial Intelligence for Manufacturing,Large Language Models(LLM), OOPS,

Education

MAY 2023

Bachelor of Technology (CSE) | JNTU-K | Narsarao Pet

Certifications

- Machine Learning by IBM — March 2024
- Microsoft Power BI by Microsoft — October2024
- Azure Open AI Service by Microsoft — Jan 2024
- AI by Infosys Spring Board — September 2023
- SQL by Intellipaat — July 2024
- Google analytics professional certificate — November 2024