VARUN KUMAR BEJJENKI

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Results-oriented Data Scientist, leveraging over a year of internship experience with a strong foundation in Python, SQL, and machine learning. Excels in data mining, predictive analytics, and developing forward-thinking data strategies to drive actionable insights. Committed to harnessing innovative analysis and modeling skills to contribute to a company's success.

EXPERIENCE HISTORY

Data Scientist Internship, Ventois Pvt Ltd, Shrewsbury MAY 2023 – AUG 2023

- Performed exploratory data analysis using Python (Pandas, Matplotlib) and SQL to identify key business insights.
- Developed and validated predictive models using Scikit-learn, resulting in a 20% increase in forecast accuracy.
- Implemented customized algorithms to streamline data processing, improving analysis speed by 30%.
- Proficiently used Jupyter Notebooks for analysis, Git for version control, and OCI for scalable data storage and model deployment.
- Partnered with data engineers and business analysts to define data requirements, develop solutions, and communicate insights effectively.
- Created and presented dashboards and reports using Tableau, facilitating data-driven decision-making.

Python AI training Internship, Zelf-Studie Ltd, Hyderabad NOV 2021 – JAN 2022

- Implemented and fine-tuned machine learning models using Python, TensorFlow, and Scikit-learn, achieving a 15% increase in predictive accuracy.
- Executed data cleaning and feature engineering on large datasets, improving data quality and model performance.
- Conducted extensive experiments to optimize hyperparameters, resulting in a 10% reduction in model training time.
- Automated data processing pipelines using Python scripts, enhancing efficiency, and reducing manual effort by 30%.

PROJECTS

PREDICTIVE TRAFFIC FLOW ANALYSIS UTILIZING MACHINE LEARNING TECHNIQUES (Python, Pandas, MySQL)

- Implemented a project which allows users to analyze Traffic Flow, to predict the traffic flow for upcoming days with help of the previous day's traffic database. Enacted various ML algorithms like Decision Tree, Random Forest, and Support Vector Machine to analyze their performance and achieved 92% accuracy.

PLANT DISEASE IDENTIFICATION SYSTEM (Frontend: PHP, HTML, CSS; Database: MYSQL; SERVER: WAMP)

- Developed a plant disease analysis tool using Python, enabling users to diagnose diseases with 90% accuracy based on image recognition.

SKILLS

Technical Skills: SQL, Python, NumPy, Scala, Pandas, Scikit-learn, Redshift, R, Java, HTML, CSS

Development Tools: Jupyter Notebooks, Git, Tableau, Power Bi, Excel, VsCode , Apache Airflow

Interest: Data Visualization, Data Processing, Data Analysis, Statistics, ETL modeling, Dashboards

Machine Learning: Linear Regression, Logistic Regression, Decision Trees, Random Forest, SVM, CNN, RNN

EDUCATION

University of Massachusetts Lowell SEP 2022 – MAY 2024

Master of Science, Computer Science GPA: 3.6

Relevant Courses**:** Algorithms, Advanced Database Systems, Data Mining, Topics in Computer Science: Data Science

Jawaharlal Nehru Technological University SEP 2018 – JUL 2022

Bachelor of Technology, Electronics and Communication Engineering GPA: 3.6

CERTIFICATIONS

Oracle Cloud 2024 Generative AI Professional

AWS Certified Data Engineer

The Joy of Computing Python