PAVAN DADVAIAH

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OBJECTIVE

Data-driven and detail-oriented Computer Science graduate specializing in Artificial Intelligence and Machine Learning from KG Reddy College of Engineering and Technology. Proficient in data analytics tools such as **Power BI** and skilled in **data analysis techniques**. Strong foundation in **Python, MySQL, and Machine Learning**, with additional skills in **JavaScript**. Eager to leverage academic knowledge and hands-on project experience to tackle real-world challenges. Looking forward to joining a dynamic team environment where I can apply my **analytical and technical skills** to drive **data-driven decision-making** and business success

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EDUCATION

Bachelor of Computer Science, KG Reddy College Of Engineering 2020 – 2024

Intermediate - MPC, Sri Gayatri College 2018 – 2020

SSC, ST.Joseph's High School 2018

SKILLS

Technical Skills Power BI , Data Analysis Techniques , Data Visualization , Data Manipulation , Python , MySql , MS Excel , Machine Learning , JavaScript

Soft Skills Team Collaboration , Communication , Time Management , Adaptability

INTERNSHIP EXPERIENCE

Student Project Nov 2023 - Dec 2023

NRSC – ISRO Shadnagar, Telangana

- Contributed to the development of a dynamic web application front-end using **React.js**, focusing on features such as **authentication**, **profile management**, **user preferences**, and an **admin dashboard**
- Utilized **React Router** for efficient routing, **React Bootstrap** for responsive design, and **Font Awesome** for enhanced user interface elements
- Collaborated with an NRSC employee to ensure project alignment with organizational standards and best practices

Virtual Intern - Data Science March 2023 - May 2023

Oasis Infobyte Online

- Explored fields of **AI** and **Data Science** through hands-on projects, gaining practical experience in applying machine learning techniques
- Completed **Iris Flower Classification** project using supervised learning algorithms to achieve high prediction accuracy
- Conducted **Sales Prediction** analysis by implementing regression models to forecast sales trends and improve business strategies
- Analyzed **Unemployment Data** to identify key trends and insights using data visualization tools and statistical analysis techniques

ACADAMICS PROJECTS

Agro Sage

Crop Prediction Module Developer

- **Developed** a **Crop Prediction module** using machine learning techniques to recommend suitable crops based on soil and weather conditions, enhancing agricultural efficiency and productivity
- **Preprocessed** data by handling missing values, encoding categorical variables, and scaling features to ensure data quality and improve model performance
- **Trained and evaluated** multiple machine learning models, including **K-Nearest Neighbors (KNN)**, **Support Vector Classifier (SVC)**, **Random Forest**, and **Decision Tree**, using cross-validation and performance metrics to ensure accuracy and reliability
- **Selected** the best-performing model based on evaluation metrics and successfully **deployed** it for real-world application, providing actionable insights for farmers and agricultural professionals

Diabetes Management

- **Developed** an **AI-powered Web app** for **diabetes management** that analyzes food images to provide glycemic index information and dietary recommendations, enhancing users' ability to manage their condition effectively
- **Utilized Google Generative AI** and **Gradio** to analyze food images, resulting in accurate glycemic index values and personalized dietary suggestions
- **Configured** the AI model to process image inputs, ensuring precise food identification and reliable glycemic index results
- **Built** an **interactive web interface** using **Gradio** for user-friendly image uploads and results display, improving overall user experience and accessibility

AI Article Summarizer

- **Developed SummarizerAI**, a web application designed to generate succinct article summaries using the **RapidApi AI Summarizer**.
- **Built** the application using **HTML**, **CSS**, **JavaScript**, and **ReactJS**, creating a **user-friendly interface** for seamless interaction.
- **Implemented** an **Article Extractor and Summarizer API** to dynamically extract and summarize content, improving content accessibility and efficiency.
- **Contributed** to an **open-source project**, promoting collaboration and encouraging contributions to enhance functionality and features.

Blinkit Report Dashboard

- Created an **interactive dashboard** in **Power BI** to visualize **Blinkit's key metrics and trends**.
- Developed **dynamic reports** covering **order trends**, **product performance**, and **customer insights**.
- **Integrated various data sources** with accurate **data connections and transformations**.
- Leveraged **DAX** and **Power Query** to enhance **data analysis** and **dashboard functionality**.

CERTIFICATION COURSES

Microsoft Power BI - Advanced Dashboard & Data Visualization
Udemy
July 2024

- **Advanced Visualization:** Mastered **Power BI** techniques for creating complex, interactive dashboards and reports
- **Dashboard Design:** Developed interactive dashboards with **slicers**, **dynamic visuals**, and **drill-down features**
- **Data Modeling:** Built robust data models using **relationship management**, **DAX**, and **Power Query**.
- **Report Optimization:** Optimized **Power BI** reports for performance and responsiveness
- **Practical Application:** Applied concepts to create real-world dashboards and visualizations for improved business decisions

Machine Learning Specialization
University of Washington, Coursera
May 2023

- **Fundamentals:** In-depth knowledge of **supervised**, **unsupervised**, and **reinforcement learning**
- **Algorithms:** Skills in **linear regression**, **logistic regression**, **SVMs**, **decision trees**, and **KNN**
- **Data Handling:** Proficient in **feature selection**, **normalization**, and **missing value handling**
- **Model Evaluation:** Expertise in **accuracy**, **precision**, **recall**, and **F1 score**
- **Practical Application:** Applied concepts in hands-on projects to build and optimize models

Python Complete Course for Beginners
Udemy
Nov 2022

- **Foundational Python Skills:** Mastered basic syntax, data types, loops, and conditional statements.
- **Core Programming Concepts:** Proficient in functions, modules, file handling, and error handling.
- **Data Structures and Algorithms:** Skilled in using Python's lists, tuples, dictionaries, and sets.
- **Practical Projects:** Developed simple applications and solved real-world problems through hands-on projects.
- **Introduction to Libraries:** Familiar with Python libraries such as NumPy, Pandas, and Matplotlib for data manipulation and visualization.

Extra-Curricular Activities

- **Won Ideathone Competition**
  Developed an innovative farm field protection solution using LED lights, effectively preventing wild boar attacks. Demonstrated strong problem-solving skills and creativity in a competitive environment.

- **Cleared Telangana State Public Service Commission (TSPSC) Preliminary Exam**
  Achieved a passing score in the TSPSC preliminary exam, highlighting dedication to public service and readiness to contribute skills to the state government.

PERSONAL DETAILS

Name: Dadvaiah Pavan

Phone: +91-6302665684

Date of Birth: September 2002

Address: 12-1-325/A, Hyderabad, Telangana , 500028

Hobbies: Traveling , Gaming , Fitness

Languages Known: English, Hindi, Telugu

Nationality: Indian