JULOORI ABHAY

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PROFESSIONAL SUMMARY

Passionate Data Analyst, skilled in Python, data visualization, and machine learning. Transforming complex data into actionable insights. Enthusiastic about fostering collaborative teamwork to develop data-driven solutions.

EDUCATION

2020-2024
Bachelor of Technology
Malla Reddy Engineering College, Hyderabad
GPA: 8.87/10

2018-2020
Telangana State Board Intermediate Education
FIITJEE, Hyderabad
GPA: 8.99/10

2018
Central Board of Secondary Education
St. Peter's School, Hyderabad
GPA: 8.24/10

INTERNSHIPS

Jan - Mar 2023
Technocolabs (Data Science Intern)
Worked on projects like BigMart Sales Prediction and Mortgage-Backed Securities Prepayment Risk. Designed user-friendly webpage streamlining data tasks, achieving 78% accuracy and highlighting technical skill and innovation

Oct - Nov 2022
Spark's Foundation (Data Science Intern)
Successfully built a machine learning model for the Iris Dataset with an MSE of 4.35 and developed insightful visualizations for data interpretation.

July - Aug 2023
Path Creators (Data Science Intern)
Prepared a flask-based health logger app to improve data management and tracking, resulting in a 30% reduction in manual data handling tasks.

TECHNICAL SKILLS

Programming Languages: Proficient in Python, and SQL.
Basic Knowledge of C, Java, R, PHP, HTML, and CSS.
Data Manipulation Libraries: Familiarity with libraries like Pandas, and NumPy.
Data Visualization: Can use tools like PowerBI and libraries like Matplotlib, and Seaborn.
Machine Learning: Experience with libraries like scikit-learn, and TensorFlow for predictive modeling.
Excel/Spreadsheet Tools: Competence in using Excel for analysis, and formulae.
Frameworks: Worked with Flask to develop web applications.

PROJECTS

Predicting Mortgage-Backed Securities Prepayment Risk: Created multiple machine learning models(SVM, Ridge, Lasso) and performed optimizations (AdaptiveBoost, XGBoost) with the model accuracy being 78%.

Text Summarization using Transformers: Developed a text summarization application with a user-friendly UI using transformer models (T5-Small, T5-Large, Pegasus, BART, GPT-3). Enabled users to input text for automatic summarization, showcasing expertise in NLP and machine learning. Notably, the T5 model outperformed other models, achieving higher ROUGE-1 (0.47), ROUGE-2 (0.33), and ROUGE-L (0.42) scores, indicating superior summarization quality.

Facial Expression prediction using neural networks: Devised a deep learning model leveraging FER-2013 data.

MNIST Deep Learning project: Implemented neural networks to identify MNIST data with 98% accuracy.

Emotion detection using audio: Utilized libraries like Librosa to extract audio features, enabling precise emotion detection. Leveraged multiple datasets including Ravdess, Crema, Tess, and Savee to train the model, achieving an impressive accuracy rate of 61%.

Automatic Attendance: *Colaborated a real-time student identification and attendance tracking system using deep learning and facial recognition technology.*

Records attendance with timestamps in a CSV file, offering an efficient and automated solution, leading to a substantial 40% reduction in manual attendance recording efforts.

CERTIFICATIONS

Python Programming | ***Microsoft***
Azure Fundamentals | ***Microsoft***
Azure AI Fundamentals | ***Microsoft***
R Programming | ***Solo Learn***
Problem-Solving | ***HackerRank***
Python and Machine Learning | ***Google Developer Group***
IBM Data Science Professional Certificate | ***Coursera (Completed 10 courses)***
Programming Essentials in Python | ***Cisco Networking Academy (OpenEDG)***
Machine Learning, Deep Learning | ***DevTown***
Data Structures | ***Tutors Campus***
Data Science with Python | ***SkillUp***
Spreadsheets and Models by Wharton | ***Coursera***

ACADEMIC ACHIEVMENTS AND VOLUNTEERING

***1) Technical Lead:* Atharva Data Science Community**
- Pioneered a platform enabling knowledge-sharing among students in data science.
- Orchestrated orientation programs, equipping freshers with essential Data Science foundations.
- Designed and conducted coding competitions to evaluate and elevate members' proficiency.

2) *Attended* **PowerBI Workshop** *conducted by Jobaaj Learning and* **C Programming Workshop** *organized by* **Skilltimate Technologies**.
3) *Engaged in the* **IP Awareness/Training program** *conducted by NIPAM and MoE's Innovation Cell.*
4) *Active member of the MREC* **table tennis team***, contributing to sportsmanship and teamwork.*