VENGATESHWARAN N

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CAREER OVERVIEW

Third-year Computer Science student at NPR Arts and Science College, and a Data Science enthusiast proficient in Python, SQL, data analysis, machine learning, and frameworks in Python.

EDUCATION

B.SC COMPUTER SCIENCE
NPR Arts and Science College
Mar 2021 - Mar 2024
Dindigul, TamilNadu
CGPA : 8.1 / 10

HIGHER SECONDARY
Devangar Higher Secondary School
Mar 2019 - Mar 2021
Dindigul, TamilNadu
Percentage : 82%

SKILLS

Programming: Python3, R
Data: Analytics, Visualization
Machine Learning:AI/ML Methodologies, ML Algorithms
Tools: Tableau, Power BI, Microsoft Excel , MATLAB
Database: MySQL, SQLITE
Frameworks : Django, Flask
Concepts : Object-Oriented Programming

CERTIFICATIONS

- **Object-Oriented Programming in Python** | Udemy | April 2023
- **Data Analysis And Visualization with Python** |Udemy | June 2023
- **Microsoft Power BI** | Great Learning | July 2023
- **Machine Learning** | Great Learning | August 2023
- **Deep Learning Basics** | Great Learning | August 2023

EXTRACURRICULAR ACTIVITIES

NSS VOLUNTEER
Vice President
2022–2023
NPR Arts and Science College
Dindigul, TamilNadu

EXPERIENCE

DATA SCIENCE INTERN | CODSOFT
Oct 2023 - Jan 2024

- Led the implementation of machine learning algorithms for optimizing inventory management, resulting in a 40% reduction in stockouts.
- Developed and deployed sophisticated data analytics models using Python, achieving a 25% decrease in customer churn. Proven track record of contributing to high-impact projects, showcasing adaptability, commitment to excellence, and innovation.
- **Language And Tools: Python3, PowerBI, Machine Learning, NLP**

DATA SCIENCE INTERN | OASIS INFOBYTE
Oct 2023 – Nov 2023

- Utilized statistical analysis and advanced data visualization techniques to deliver innovative solutions throughout the internship, driving impactful results.

DATA ANALYST INTERN | MERISKILL
Sept 2023–Oct 2023

- Enhanced analytical proficiency and drove data-driven decision-making through Power BI and Tableau during the internship, resulting in valuable business insights and streamlined process optimizations.
- **Tools: PowerBI, Tableau**

PROJECTS

CUBY ASSISTANT WITH GENERATIVE AI | (Final Year Project)
NOV 2023 – Present

- Engineered CUBY.AI, an advanced voice assistant, incorporating Generative AI with the BERT model to achieve sophisticated natural language understanding and response generation. Engineered to streamline system control and automate tasks, significantly reduced manual workload by 60%.
- **Languages And Tools : Python3, SQLITE, DJANGO, TRANSFORMERS ALGROITHM**

DIABETES PREDICTION USING SUPPORT VECTOR MACHINES(SVM) Jan 2023 – Jan 2023 | (Two Weeks)

- Developed a Diabetes Prediction model utilizing advanced machine learning techniques and feature engineering, achieving a 75% accuracy rate in forecasting diabetes risks. Implemented the model within the Django Framework, showcasing end-to-end project development skills and contributing to a 40% improvement in prediction accuracy compared to baseline models.
- **Languages And Concepts : Python3, Machine Learning, DJANGO**

CREDIT CARD FRAUD DETECTION WITH RANDOM FOREST Dec 2023 – Dec 2023 | (Two Weeks)

- Deployed a Random Forest classifier for credit card fraud detection, achieving a 90% accuracy rate. Demonstrated expertise in EDA, data preprocessing, and visualization techniques.
- **Languages And Concepts : Python3, Machine Learning, DJANGO**

SALES PREDICTION WITH DATA ANALYSIS AND POWERBI DASHBOARD

- Applied data analysis techniques, including EDA, data cleansing, and feature engineering, leveraging a POWERBI dashboard to achieve a 20% improvement in sales prediction accuracy.