Bandaru Nithinkumar

nithinkumarbandaru2020@gmail.com | +91-9121766101 | Bangalore, India
Github Linkedin

Objective

Aspiring Data Engineer looking to leverage internship opportunities to apply Python, SQL, and analytics knowledge to develop optimal data solutions.

Summary

Fourth-year B.Tech student in AI and Data Science with hands-on experience in machine learning and structured data processing. Strong foundation in Python and SQL with interest in data engineering roles.

Projects

Multi-Class Cancer Classification using Deep Learning

PyTorch, CNN, Vision Transformer, Image Preprocessing

- Built a hybrid CNN and Vision Transformer model for multi-class cancer classification.
- Handled image preprocessing using normalization and data augmentation techniques.
- Implemented model training and evaluation pipelines using PyTorch.
- Analyzed classification performance using confusion matrix analysis.

Bank Loan Credit Risk Assessment using Machine Learning

Python, Scikit-learn, Pandas, NumPy, Random Forest, SMOTETomek

- Developed a machine learning model to predict bank loan credit risk using financial and demographic attributes.
- Performed data preprocessing including missing value handling, feature engineering, encoding, and normalization.
- Addressed class imbalance using SMOTETomek and trained ensemble models including Random Forest for improved prediction.
- Evaluated model performance using Accuracy, Precision, Recall, F1-Score, and ROC-AUC, achieving **81% accuracy**.

Education

Amrita Vishwa Vidyapeetham, Bangalore — 2023 – 2027
B.Tech in Artificial Intelligence and Data Science — CGPA: 7.99 / 10

Sri Chaitanya Junior College, Vijayawada — 2021 – 2023
Intermediate Education — 96.5%

Vignan High School, Somandepalli — 2021
Secondary Education — 98.5%

Technical Skills

Programming	Python (Intermediate), SQL (Intermediate), Java (Basic), C++ (Intermediate)
Data Engineering	ETL Concepts (Basic), Data Cleaning (Intermediate), Data Analysis (Intermediate)
Libraries	Pandas (Intermediate), NumPy (Intermediate), Scikit-learn (Intermediate), PyTorch (Basic)
Tools	Git/GitHub (Intermediate), Jupyter Notebook (Intermediate), VS Code (Intermediate)

Certifications & Badges

- IBM Data Science Professional Certificate
- Artificial Intelligence Certification (SkillVertex)
- AWS Academy Graduate

Coursework & Activities

Relevant Coursework	Data Structures (Basics), DBMS, Machine Learning, Data Analytics
Activities	Flipkart GRiD 6.0 Participant; Participated in various Ideathons and Hackathons