NISHA MANDIWAL

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LinkedIn | GitHub

Career Objective

A passionate Computer Science Engineering student with hands-on experience in machine learning, software development, and AI projects. Seeking to contribute to innovative projects at your organization while expanding my technical skills in a collaborative, growth-oriented environment.

Internships & Training

AI Developer Intern
Infosys Springboard | May 2024 – July 2024
Project: Stroke Prediction
Tech Stack: Python, Machine Learning

- Developed a machine learning model to predict stroke probability using the Cerebral dataset.
- Preprocessed data and handled class imbalance using SMOTE for improved prediction accuracy.
- Performed feature selection, model training, evaluation (Random Forest, XGBoost), and model optimization.
- Collaborated with a mentor to present findings and deploy a prototype in a simulated healthcare environment.

Data Science Intern
Code Clause | Feb 2023 – Mar 2023
Projects: Credit Card Fraud Detection, Recommendation System, Cancer Classification
Tech Stack: Python, Pandas, Scikit-learn, Matplotlib

- Implemented ML algorithms to detect anomalies in credit card transactions.
- Built a movie recommendation system using collaborative filtering techniques.
- Developed a cancer classification model to predict malignancy from clinical data.

Machine Learning Intern
Sync Interns | Feb 2023 – Mar 2023
Projects: Chatbot, House Price Prediction
Tech Stack: Python, ML

- Designed a rule-based chatbot using Python and basic NLP for user query handling.
- Built and evaluated a regression model for house price prediction using real-world datasets.
- Conducted feature engineering and applied regression algorithms to minimize prediction error.

Data Scientist Trainee
ShapeAI | Sep 2021 – Dec 2021
Focus: Python Libraries, Machine Learning, Deep Learning

- Gained hands-on experience with Python libraries like NumPy, Pandas, Matplotlib, and Seaborn.
- Studied foundational machine learning concepts and worked on mini-projects.
- Built and trained basic ML models as part of learning exercises and workshops.

Education

B.Tech in Computer Science & Engineering | Chameli Devi Group of Institutions, Indore —12/2020 – 07/2024 | CGPA: 9.21 / 10
Higher Secondary Education | Govt. H.S. School for Excellence, Ujjain — 2019 – 2020 | Percentage: 89.4%
Secondary Education | Govt. Model H.S. School, Mahidpur — 2017 – 2018 | Percentage: 95.2%

Technical Skills

Languages: Python, C/C++ | Web: HTML, CSS, JavaScript | ML/AI: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
Database: MySQL | Tools: Git, GitHub, Flask | Concepts: Data Cleaning, Data Preprocessing, Model Evaluation

Projects

Stroke Prediction | 05/2024 – 07/2024

- Built a predictive ML model to assess stroke risk using the Cerebral dataset.
- Applied SMOTE to resolve class imbalance and used Random Forest & XGBoost for prediction.

Intelligent Parking System | 07/2022 – 03/2023

- Developed a web-based parking availability and slot booking system.YOLO V3 integrated for vehicle detection. | Stack: HTML, CSS, JavaScript, Python (Flask), MySQL.