

SUHAS GADHAVE

MACHINE LEARNING ENGINEER

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CAREER OBJECTIVE

Aspiring Machine Learning Engineer and Data Science graduate with strong foundation in Python, SQL, Pandas, NumPy, Scikit-learn, and data analysis. Skilled in data preprocessing, exploratory data analysis (EDA), feature engineering, and building supervised machine learning models. Hands-on experience with industry-style projects including Loan Approval Prediction, House Price Prediction, and Email Spam Detection. Seeking entry-level Machine Learning Engineer, Data Scientist, or Python Developer role to contribute and grow in a challenging environment.

EDUCATION

Terna College of Engineering

Bachelor of Technology in Artificial Intelligence & Data Science; CGPA: 6.84

2021 – 2025

Dharashiv, India

Shardadevi Pandit Polytechnic Institute

Diploma in Computer Engineering; Percentage: 80.23%

2019 – 2021

Dharashiv, India

EXPERIENCE

DevSkillHub Training & Consultancy

Python Programming Intern

Oct 2023 – Dec 2023

Remote

- Engineered Python scripts for data manipulation and statistical analysis using **Pandas**, **NumPy**, and **Matplotlib**.
- Automated data cleaning pipelines handling missing values, outliers, duplicates, and data type conversions across multiple datasets.
- Executed exploratory data analysis (EDA) workflows to extract insights and identify patterns in structured datasets.
- Collaborated with team members on machine learning projects and code reviews.

PROJECTS

Loan Approval Prediction using Machine Learning

Python, Scikit-learn, Pandas, NumPy

- Architected classification model to predict loan approval status based on applicant income, credit history, loan amount, and employment details.
- Derived features such as total income and debt-to-income ratio to improve model discrimination power.
- Benchmarked **Logistic Regression**, **Decision Tree**, and **Random Forest** classifiers, achieving 92% accuracy with Random Forest after hyperparameter tuning via GridSearchCV.

Email Spam Detection

Python, NLP, Scikit-learn, TF-IDF

- Designed binary classification model to detect spam emails using Natural Language Processing techniques.
- Applied text preprocessing including tokenization, stop word removal, and TF-IDF vectorization.
- Compared multiple algorithms (Naive Bayes, Logistic Regression, SVM) achieving 96% accuracy.
- Deployed model using Flask API for real-time spam detection on new email inputs.

TECHNICAL SKILLS

- Programming:** Python, SQL
- Core Concepts:** OOPS, DBMS, Data Structures
- Machine Learning:** Supervised Learning, Classification, Regression, Feature Engineering, Model Evaluation
- Libraries & Frameworks:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Flask
- Data Visualization:** Power BI, Excel, Tableau (Basic)
- Databases:** MySQL, PostgreSQL

CERTIFICATIONS

- Python Programming Internship – DevSkillHub Training & Consultancy (2023)
- Python Programming – Hefshine Softwares Pvt. Ltd. (2025)
- SQL Certification – Hefshine Softwares Pvt. Ltd. (2025)
- R Programming for Data Analytics – LeadSoft IT Solutions (2023)