

# SHASHMITHA V

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## Education

**visvesvaraya technological university**

*B.E in Artificial intelligence and Data Science*

**Dec. 2022 – June 2026**

*Mangalore, Karnataka*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Data Visualization
- Software Methodology
- Database Management
- R programming
- Computer Organization

## Professional Summary

Dynamic and results-driven AI Data Science professional with expertise in Machine Learning, Deep Learning, and Data Analytics. Skilled in Python, TensorFlow, and SQL, with hands-on experience in model development, data preprocessing, and deployment. Passionate about solving complex problems through AI-driven solutions and continuous learning.

## Projects

**Crop Recommendation System** | *Python, Machine Learning, Scikit-learn, Pandas*

**November 2024**

- Developed a crop recommendation model using Logistic Regression to predict the best crop based on soil and climate conditions.
- Performed data preprocessing, including handling missing values, feature scaling, and encoding categorical variables.
- Utilized Scikit-learn to train and evaluate the model, achieving high accuracy in crop classification.
- Generated insights from EDA to understand the impact of soil parameters on crop yield.

**Credit Card Fraud Detection** | *Python, Scikit-learn, Pandas, NumPy*

**September 2024**

- Built a Machine Learning model to detect fraudulent transactions using Logistic Regression and Random Forest.
- Handled imbalanced data using SMOTE and optimized model performance with precision, recall, and F1-score evaluation.
- Performed feature engineering and preprocessing with Pandas, NumPy, and Scikit-learn to improve fraud detection accuracy.

**Titanic Survival Prediction** | *Python, Scikit-learn, Pandas, NumPy*

**September 2024**

- Built a classification model to predict passenger survival using Logistic Regression and Random Forest.
- Applied data preprocessing, feature engineering, and exploratory data analysis (EDA) to improve model accuracy.
- Evaluated performance using accuracy, precision-recall, and confusion matrix, optimizing for real-world application.

## Technical Skills

**Languages:** Python, R, C, HTML/CSS, JavaScript, SQL, MongoDB

**Developer Tools:** VS Code, Google Cloud Platform, Android Studio, Code blocks

**Machine Learning:** Scikit-Learn, TensorFlow, PyTorch, XGBoost

**Data Science Tools:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Excel

## Leadership / Extracurricular

**Swizosoft**

**2024-present**

*Internship Coordinator*

*Mangalore*

- Managed and guided interns, ensuring smooth onboarding, training, and project execution.
- Coordinated with teams to align intern tasks with company goals and timelines.

**Swizosoft**

**2024-present**

*Client Relations Manager*

*Mangalore*

- Engaged with clients to understand requirements, ensuring seamless communication between teams.
- Handled client queries, maintained relationships, and contributed to business growth.

**CodeSoft**

**Aug 2024 – Sep 2024**

*Data Science Intern*

*Remote*

- Worked on data preprocessing, feature engineering, and model development for real-world datasets.
- Implemented Machine Learning algorithms like Logistic Regression, Decision Trees, and Random Forest for predictive analysis.
- Performed exploratory data analysis (EDA) using Pandas, Matplotlib, and Seaborn to extract meaningful insights.