SAI KUSHWANT BEESU

beesu23bcs112@iiitkottayam.ac.in | +91 9182215563

Linkedin | Github

Education

IIIT KOTTAYAM Aug 2023 - April 2027

B.Tech. in Computer Science and Engineering Relevant coursework: Web-Development, Full stack web-dev, Operating systems, Databases, Design and analysis of algorithm, Data structures, Discrete Maths, Machine learning, Statistics

Narayana Educational Institutions June 2021 - May 2023

Technical Skills

Languages: C/C++, Java Advanced, Python, JavaScript, SQL

Web-Development: HTML, CSS, Flask **Frameworks:** Numpy, Pandas, Matplotlib

Tools: VS Code, Jupiter, Kaggle, Github, Linux

Projects

Ecommerce Website

◦ **User Registration & Login :** Secure account creation and social login options
◦ **Product Catalog :** Well-organized categories, filters (price, brand, rating), and sorting.
◦ **Product Detail Pages :** Include high-quality images, descriptions, pricing, stock info, reviews, and related products.
◦ **Search Functionality :** Fast, predictive search with keyword suggestions
◦ **Shopping Cart :** Easy add/remove items, view total cost, and estimate shipping.
◦ **Checkout Process :** Simple, multi-step or one-page checkout with guest checkout option.

Currency Converter

Currency Selection Dropdowns:

- From → To currency (e.g., USD → INR)
- Implemented with ttk.Combobox (searchable dropdowns)
- Grouped by region (optional enhancement)

Real-Time Exchange Rates:

- Integrates APIs (e.g., ExchangeRate-API or scraped from x-rates.com)
- Ensures updated values every time user converts
- Also caches last successful query for offline fallback

Amount Input Field :

- Accepts decimal or float input
- Validated to prevent errors
- Optionally formats with commas

Conversion Result Display :

- Instant feedback after clicking “Convert”
- Displayed dynamically with timestamp

Multi-Currency Conversion :

- Converts one source currency into multiple target currencies at once
- Useful for travelers and businesses

Rate Refresh Timer :

- Displays time since last fetch (e.g., “Updated 5 mins ago”)
- Can auto-refresh every X minutes (optional)

Heart Disease Prediction – Supervised Machine Learning Project

- **Tech Stack**: Python · Scikit-learn · Pandas · NumPy · Matplotlib · Seaborn

  Built a machine learning model to classify the presence of heart disease based on patient medical data. This end-to-end project involved:

  - Cleaning and preparing real-world data (handling missing values, feature scaling, encoding categorical features).
  - Training and comparing multiple supervised learning algorithms (Logistic Regression, KNN, Random Forest).
  - Optimizing performance with hyperparameter tuning (Grid Search) and cross-validation.
  - Evaluating model accuracy with metrics like precision, recall, F1-score, and ROC-AUC.
  - Creating visualizations for EDA and model interpretability using Seaborn and Matplotlib**.**