RUDRESH M R

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Education

KCE-Karpagam College of Engineering
B.Tech in Aritificial Intelligence and Data Science
- GPA: 8.0/10.0
- **Coursework:** Foundational mathematics, Basic Programming(Python,Java), Data structures and design, Design and analysis of algorithms, Database management system, Introductory machine learning,Soft Computing.

INTERNSHIP & TRAINING

Data Visualization Intern
freeCodeCamp *(Remote)*
Duration: 300+ Hours
- Completed an intensive **300+ hours internship in Data Visualization** focusing on real-world data analysis and visual storytelling.
- Worked with **Python, Pandas, NumPy, Matplotlib, Seaborn**, and **Jupyter Notebook** to analyze and visualize datasets.
- Built **interactive and static dashboards** to identify trends, patterns, and insights from structured data.
- Applied principles of **data cleaning, exploratory data analysis (EDA), and chart design best practices**.
- Gained hands-on experience in transforming raw data into **meaningful business insights**.
- Completed multiple **hands-on projects and practical exercises** as part of the internship curriculum.

Projects

Cricket Player Run Prediction System

- Developed a **machine learning model using Logistic Regression** to predict cricket player run outcomes based on historical match data.
- Conducted **feature engineering and EDA** to improve prediction accuracy.
- Built a **Streamlit-based interactive web application** for real-time predictions.
- Designed user-friendly input forms and result visualizations.

Tech Stack: Python, Pandas, NumPy, Scikit-learn, Streamlit

Smart Transportation Price Comparison & Recommendation System

- Developed a **price comparison and recommendation system** for flights, trains, buses, and cab services.
- Analyzed transportation pricing data and recommended the **most cost-effective travel option**.
- Implemented decision logic to rank transport modes based on user preferences.
- Designed the system with scalability for real-world API integration.

Tech Stack: Python, Flask, Data Analysis

AI Text-to-Image Generator

- Built an **AI-powered text-to-image generation application** using **Gradio**.
- Designed a simple and interactive UI for prompt-based image generation.
- Explored generative AI concepts and model deployment workflows.

Tech Stack: Python, Gradio, Generative AI

Resume & Portfolio Assistant

- Developed a **web-based application** to generate professional resumes and personal portfolios.
- Implemented real-time preview, customizable templates, and export functionality.
- Focused on user input validation and responsive UI design.

Tech Stack: HTML, CSS, JavaScript, Flask

Skills

Programming: Python, Java
Data Science: Pandas, NumPy, Scikit-learn, EDA, Data Visualization
ML Algorithms: Logistic Regression, Decision Trees, Classification
Databases: SQL, PostgreSQL, MySQL
CS Fundamentals: DSA,DBMS,OOPS
Web: HTML, CSS, JavaScript, Flask, Streamlit

Achievements

- Consistently solving problems on platforms like CodeChef, LeetCode and Code 360 Earned several certificates from Coursera, Great Learning,udemy ,enhancing skills in AI,Data Science and technology Regular participant
- in CodeChef weekly contests, improving problem-solving and algorithmic skills.

Cerifications

- Certificate of completion for Java Fundamentals Course for Beginners - Udemy
- Certificate of completion of Machine learning Course with Python A-Z - Udemy
- Certificate of completion for RDBMS PostgreSQL Training   - Spoken Tutorail IIT
- Certificate for Participation in GenAI Workshop By Intel   - Intel
- Certificate for Participation in Paper Presentation Featuring GENAI.
- Introduction to Modern AI   - Cisco Academy
- Apply AI Analyze and Customer Review   - Cisco Academy
- Data Analytics Essentials   - Cisco Academy
- Data Analysis with Python   - IBM Cognitive AI
- Deep Learning Fundamentals   - IBM Cognitive AI
- Data Visualization with Python   - IBM Cognitive AI
- Data Visualization Internship (300+ Hours)   –freeCodeCamp