PRADEEP K

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Internship Experience

Data Science Intern **Feb 2024 – May 2024**
GradTwin Pvt. Ltd., Remote

- Analyzed real-world datasets using Python, Pandas, and NumPy to extract actionable insights.
- Developed and evaluated ML models including Linear Regression, Decision Trees, and KNN.
- Completed 10+ data science projects involving EDA, modeling, and visualization within 3 months.

Skills

Languages: Python, Java, JavaScript, SQL, C.

Frontend: HTML, CSS, Bootstrap.

Backend: Flask, Django (Basic), SQLAlchemy, REST APIs.

Data Science: Numpy, Pandas, Matplotlib, Scikit-Learn (Basic).

Deployment and Tools: Git and Github, Render, Streamlit, Postman.

Education

S.A Engineering College, B.E. in Electronics and Communication Engineering. May 2021 – April 2025

- CGPA: 8.31/10
- **Coursework:** Analog and Digital Electronics, Microprocessors and Microcontrollers, Computer Networking.

Projects

Movie Recommendation System: [Github Link] [Live Demo]

- **Description:** Built a content-based movie recommendation web app using Flask. Engineered TF-IDF and cosine similarity techniques to match movies based on metadata such as genres and keywords. Connected to the TMDB API to display dynamic content like posters and ratings.
- **Technologies Used:** Flask Web Framework, Python, Scikit-learn, Pandas, TMDB API.

Full Stack - Library Management System: [Github Link] [Live Demo]

- **Description:** Developed a full-stack Library Management System using Flask and MySQL. Implemented role-based access, secure authentication, and features for book management.
- **Technologies Used:** Flask Web Framework, Python, MySQL, SQLAlchemy, HTML, Bootstrap.

AI-Powered PDF Q&A ChatApp: [Github Link] [Live Demo]

- **Description:** Developed a Streamlit-based AI application for querying PDF content. Extracted and chunked text, generated embeddings using SentenceTransformer, and performed similarity search with FAISS. Integrated Groq API to generate context-aware answers in a user-friendly interface.
- **Technologies Used:** Streamlit, Sentence Transformer, Faiss-CPU, PyPDF2, GROQ API Key.

Certifications

- **Front-end Development** - **Provider:** Coursera| **Duration:** 3 months.
- **Fundamentals of Java** - **Provider:** Scaler | **Duration:** 4 weeks.
- **Python for Data Science** - **Provider:** NPTEL | **Duration:** 4 weeks.