DINESHKUMAR P

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github.com/Pdinesh-k

EDUCATION

Bachelor of Technology CSE - AI and Data Engineering
Lovely Professional University   **(CGPA - 8.16)**

Punjab , India
2022 - 2026

Relevant Coursework : Object Oriented Prgramming , Data Structures and Algorithms , Operating System, DBMS

WORK EXPERIENCE

Futurense, India | Artificial Intelligence and Analyst Intern   **June - August (2024)**

- Led a team of four engineers to develop a Hotel application , implementing Chatbot , REST APIs and creating responsive website . Analyzed company datasets to drive insights and improvements
- Tech Stack - Generative AI , Python , Flask , SQL , Seaborn , Excel , Power BI , Machine Learning , Artificial Intelligence

PROJECTS

Personalized Learning Assistant

- The app offers personalized study plans, real-time academic Q&A, and tailored practice problems. Implemented user progress tracking to provide personalized learning recommendations.
- Tech Stack - Gemini API, StreamLit , MySQL , Flask , LangChain , Vector Database

Environmental Sound Classification for Bioacoustic Monitoring

- Developed a deep learning model using Convolutional Recurrent Neural Networks (CRNNs) to classify environmental sounds from diverse bioacoustic recordings . Model for real-time biodiversity monitoring, aiding in ecological research and conservation efforts. This project demonstrates the application of AI in environmental science to support biodiversity and ecosystem health monitoring..
- Tech Stack - DeepLearning , Convolution Neural Network , Recurrent Neural Networks , Data Augmentation , Scikit-Learn , Machine Learning , Performace Test

HealthMate

- The app provides personalized health advice, symptom checking, and dietary recommendations. Implemented health tracking to offer tailored advice adjustments.
- Tech Stack - Gemini API, StreamLit , MySQL , Flask , LangChain , Vector Database

SKILLS

- Languages : Python , Java , C , SQL ,JavaScript
- Technologies : Generative AI , DeepLearning , Scikit-Learn , MachineLearning , Neural Networks , Natural Language Processing , Git , Github , Flask , Computer Vision , Vector Database , LangChain , PyTorch
- Non-Technical skills : Problem Solving , MutiTasking , Critical Thinking

CERTIFICATIONS

- The Data Science Course : Complete Data Science BootCamp 2024
- Complete Python Developer
- Internation Humanity Olympiad by Government of India