DEEPIKA R

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in Deepika R
⌂ GitHub Portfolio

SUMMARY

Computer Science Engineering graduate with a strong foundation in software development and data analysis. Passionate about building scalable tech solutions and eager to grow in a fast-paced, collaborative environment. Actively seeking roles in software engineering, AI/ML, or data-driven product teams where I can contribute and learn.

INTERNSHIP EXPERIENCE

Software Development Intern   **Feb 2025 – May 2025**
Caze Labs Private Limited, Bangalore
- contributed to **Hiresense**, an intelligent hiring platform, by integrating AI modules for resume parsing and candidate evaluation.
- Automated **vendor onboarding** form filling using Excel and JSON mapping, reducing manual effort by streamlining data entry processes.
- Gained hands-on experience with **Python, Streamlit, OpenAI APIs,** and **Azure**, and collaborated in an agile team environment.
- Participated in **code reviews**, **debugging sessions**, and **iterative feature development** across two ongoing product pipelines.

Programming Intern (With AI And ML Focus)   **Oct 2023 – Nov 2023**
Zephyr Technologies And Solutions Pvt Ltd, Mangalore
- Built a **diabetes prediction model** with **80% accuracy** using Logistic Regression and Random Forest.
- Cleaned and standardized **700+ EHR records**, reducing data errors by 20%.
- Engineered key health features (e.g., glucose levels, BMI, age) to boost model performance and interpretability.
- Completed **100+ hours** of ML development in Python, focusing on predictive modeling.

EDUCATIONAL BACKGROUND

Bachelor of Engineering in Computer Science Engineering,   **Aug 2021 – Jun 2025**
SDM INSTITUTE OF TECHNOLOGY
- Graduated with a **9.37 CGPA** from Visvesvaraya Technological University.

Higher Secondary School Certificate,   **June 2019 - May 2021**
GMHSS VARKALA
- Graduated with a **98%.**

PROJECTS

JOB MARKET TRACKER – AUTOMATION APP
- Built a Zapier-based automation to monitor job postings from RSS feeds, analyze them with AI, and process data using custom JavaScript.
- Streamlined job discovery by storing curated results in Google Sheets and delivering automated email notifications.

QUICKPEEK – AI SUMMARIZER APP
- Developed an AI -powered Streamlit app to summarize news articles, PDFs, and enhance text summarizes using LLMs(LangChain + Ollama).
- Delivered seamless summarization experiences through intuitive modules and real-time interaction across formats.

RESTAURANT REVIEW ASSISTANT
- Built a web app that answers restaurant-related queries using vector search and large language models via LangChain + ChromaDB.
- Implemented a Flask backend for embedding-based retrieval and semantic question answering on restaurant review data.

GYNECOLOGICAL DISEASE DIAGNOSIS EXPERT SYSTEM
- Built a web tool to predict UTI, PCOS, or healthy status using ML models (Logistic Regression, Random Forest, SVM) with up to **95.3%** accuracy.
- Used NLP to process patient symptoms from clinical notes.
- Developed with Python, Flask, and MySQL; deployed for ease of use by healthcare professionals.

ONLINE EXAMINATION SYSTEM
- Built a web-based platform to streamline online exams, allowing teachers to create quizzes and students to take them securely.
- Designed front-end and back-end for smooth user interaction.
- Utilized Database Management Systems and SQL to **create**, **manage**, and **optimize** the database, enhancing the efficiency of exam handling and data administration.

MULTIPLE DISEASE PREDICTION SYSTEM
- *Built a unified ML platform to predict diabetes, heart disease, and Parkinson's with **75%–87% accuracy** using Logistic Regression, SVM, and Decision Trees.*
- *Analyzed and preprocessed medical datasets of over **5,000** patient records to ensure data quality and accuracy.*
- *Developed a real-time Streamlit web app using **Python** and **Pandas**, enabling healthcare professionals to make faster, data-driven decisions*

FACE RECOGNITION SYSTEM
- *Developed a real-time face recognition system using **OpenCV** and **Haar Cascades**, capturing and identifying individuals from live video.*
- *Stored **100+ images per person** for training, ensuring accurate recognition and instant data retrieval.*
- *Designed for use in **attendance, security,** and **visitor management systems***

ADDITIONAL INFORMATION

- Stack:- Python, SQL, HTML, CSS, Streamlit, Pandas, Machine Learning ,Zapier
- Tools: Visual code, Eclipse, Microsoft office, Jupyter Notebook
- Certifications: "AI foundations associate" from Oracle, Python from Kaggle, "Foundations of Cybersecurity" by Google, Python Django Case Study - Build Web Projects using Django and Python, Python Django and Python for Data Science, Google badge for generative AI.
- Languages: Fluent in English, Malayalam, Tulu; Conversational Proficiency in Tamil, Kannada; Able to understand Hindi, though speaking proficiency is limited.
- Interests: Music, Reading, Watching movies