Keerthana H L

+91 8660542662 keerthanahl26@gmail.com Bangalore,India
//in/keerthana-h-l-8a3633313 github.com/keerthanahl16

Career Objectives

To secure a challenging position in a reputable organization to expand my learning's, knowledge, and skills. Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company. Seeking a challenging executive role to leverage technical expertise and drive engineering excellence.

Projects

CareerCompass

- CareerCompass is an AI-powered platform that generates personalized career roadmaps with interactive timelines, offers peer resume comparison, creates tailored resumes, analyzes resume effectiveness, and provides progress tracking and AI mentorship to guide users toward their dream careers.
- A comprehensive Flask-based web application that leverages Google's Gemini AI to provide career development tools and guidance. This website is launched at:(careercompass.pythonanywhere.com)
- Tech Stack Used:Python,Flask,Html,Css,Javascript,Gemini API
- Prerequisites:Python 3.7+,Flask,Google Generative AI library,Flask-CORS

Ad Spend Optimization

- The challenge of allocating ad spend effectively to maximize ROI.Goals of Ad Spend using Predictive Analysis are Improved targeting,Enhanced campaign performance,Reduced waste spend,Data-driven decision-making.
- Using historical data and statistical algorithms to predict future outcomes.Key Techniques are Regression analysis,Time series analysis,Machine learning algorithms (e.g., decision trees, random forests, neural networks)
- Used tools like Python, Google ads, Facebook ads as dataset in campaign efficiency, enhancing client satisfaction.

AI Task Optimizer

- The AI-Powered Task Optimizer is a data science and machine learning project designed to enhance workplace productivity and well-being by analyzing employees' emotions in real-time. Using facial expression analysis via webcam, the system detects moods, recommends personalized tasks, tracks emotional trends, identifies stress, and provides team-level insights.
- Using DeepFace: For emotion detection models. OpenCV: For webcam capture and image processing. Pandas: For data management. Inspired by workplace well-being research and computer vision applications.

Image Editor

- Image processing with OpenCV and Python
- The system supports features like:Basic Editing (Crop, Rotate, Resize, Contrast, Brightness),AI-Based Features (Object Removal, Background Blur, Style Transfer),Face Detection Retouching (Smoothing, Skin Tone Adjustments),Batch Processing for Multiple Images.

Stock Prediction

- Harnessing machine learning to forecast stock prices by integrating historical data, market trends, and technical indicators for informed investment decisions.
- Tech Stack: Python, TensorFlow/Keras, Scikit-learn, LSTM/GRU, Pandas, Matplotlib.

Internship

Data Science and Analytics Intern, *(Zidio Development)* **Bangalore , India** *03/2025 - 04/2025*

- Defined, developed, and implemented AI-Powered Task Optimizer.
- Gained hands-on experience in data preprocessing, analysis, and visualization.
- Worked on machine learning models to derive insights, optimize decision-making, and improve business outcomes using Python, Pandas, and TensorFlow.

Online Courses & Certifications

- Python for Data Science (Jan. 2024) - UDEMY
- Programming in Java (Nov. 2024) and Machine Learning,ML (Mar. 2025) - NPTEL
- Career Essentials in Generative AI by LinkedIn and Microsoft (Sep. 2024) - LinkedIn
- Computer Networks (Dec. 2024) - InfosysSpringBoard
- Google AI Essentials (Jun. 2024) - Google, Coursera
- Agile Project Management (Dec. 2024) - Coursera

Education

BE in CSE(AI-ML) *JSS Academy Of Technical Education* **Bangalore, India** *2022-2026*
CGPA : 9.09(Until 5th sem)

PUC(State Board) *Universal PU College* **Ramanagaram,India** *2020-2022*
95.3

xth (ICSE) *Bethel International Public School* **Ramanagaram,India** *2020*
85.3

Key Achievements

Hackmarch-AI-Innovation Challenge *Certisured* **Bangalore,India** *04/2025*

Won 4th place wherein the competition was focused on building a machine learning model using ML algorithms of our choice.Explored a challenging dataset focused on career prediction and maximizing model accuracy.

Hackathon JSS4SoC'24 *GeeksforGeeks* **Bangalore,India** *07/2024*

Participated and built a machine learning model to predict stock prices using Random Forest.Integrated real-time stock data APIs for live predictions.

Interactive session with Dr.Lisa Su,Chair and CEO of AMD *IISC* **Bangalore,India** *11/2024*

Dr. Lisa is one among World's Top influential leaders of AI and Semiconductor domain.Enhanced understanding of AI hardware optimizations for deep learning models.

Skills

- **Data Visualization:** Microsoft Power BI, Excel
- **Knowledge:** Software development, Project Management, OOPs, Data Structures, Agile Project Management, Cybersecurity, AI-ML, Generative AI
- **Tools:** C,C++,Python,Java,HTML,CSS,MySQL,DBMS

Languages and ExtraCurricular Activities

- **Kannada** [Native]
- **English** [Fluent]
- **Hind** [Basic] - Learning
- **Member of NSS**
- **IEEE Student Member**