BINDUJA P KADEMANI

AI ENGINEER

CONTACT

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https://binduja-kademani.github.io/

📍 Bengaluru, India.

EDUCATION

GRADUATE IN MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE:

International Institute of Information Technology Bengaluru (IIITB)
oct - 2023 - jan - 2025
Bengaluru, IN.

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING :

SEA College of Engineering and Technology , VTU
2017 - 2021
Bengaluru, IN.

SUMMARY

I bring over 22 months of solid experience in Java full stack with Angular development and a keen interest in exploring the realms of Artificial Intelligence (AI) and Machine Learning (ML). With a proven track record of adapting to new technologies, I am now eager to transition into roles where I can apply my skills to AI and ML projects. My journey into AI and ML has been driven by a genuine curiosity and a desire to stay at the forefront of technological innovation. Outside of work, I have been diving deep into AI and ML concepts, expanding my knowledge and skill set, designing and optimizing backend systems for AI-driven applications, integrating and fine-tuning large language models (LLMs), and building APIs for seamless AI interactions.

KEY SKILLS

Data Science :

- Probability and Statistics.
- Simple and Advanced Regression and Classification Model building, Selection, Evaluation and Optimization.
- Data Visualization.
- Data Manipulation/Wrangling and Pre-processing.
- Tools- NumPy, Pandas, scikit-learn Matplotlib, Seaborn , Plotly.
- Deep Learning(DL), Neural Networks CNNs, RNNs, Image and Object Recognition. Frameworks - TensorFlow, Keras, PyTorch, OpenCV.
- Machine Learning Techniques like Random Forest.
- Natural Language Processing(NLP) Techniques - Lexical, Syntactic and Semantic Processing.
- Generative AIs, Prompt-Engineering Techniques like ReACt, Zero-Shot, One-Shot, etc. OpenAI APIs such as Chat Completions, Moderation.
- Designing and Fine Tuning Large-Language Model(LLM) Based systems and models, Transformer based systems like GPT, BERT etc.
- Building Specific AI systems using existing LLM technologies such as OpenAI's GPT models, Gemini models by Google, Llama models by Meta.
- Retrieval Augmented Generation(RAG), Vector Databases, Chroma DB, Pinecone, Semantic Search, Data Embeddings, Data Caching, QA Chatbots, Data/Documents Ingestion. Worked on Frameworks like Llama-Index, LangChain, LangGraph etc.
- Backend Development using LLMs.
- AI System feedback using Reinforcement Learning through Human Feedback.

Software/Computer Engineering :

- Client Satisfaction, Change Management, Documentation and Status/Data Report Graph Generation
- SQL
- Python Programming Language.
- MS Office Suite
- Version-flow control systems like GIT.
- Familiarity with AWS Services like EC2 , S3 Buckets, Lambda etc.
- AI-applications like Chat-GPT, Gemini, Copilot, Claude, LLAMA.
- Familiarity with Microservice architecture.
- NodeJS , Django , Flask , Fast-API.

WORK EXPERIENCE

Capgemini Technology Services India Limited
Analyst/Software Engineer
April 2022 - February 2024

Full Stack Java Developer with Angular

- Enhanced customer satisfaction by implementing customer-centric approaches in coding & debugging Java with Angular for an average of 4 hours daily.
- Managed documentation, data maintenance, & report generation resulting in a 40% decrease in incident/issue creation, while also boosting customer revenue through daily reports.
- Planning for Backup and Disaster recovery along with Change Management for streamlined code changes which streamlined code changes and decreased customer unhappiness.

Data Analyst/Analysis

- Performing Data Extraction from 10+ source systems from multiple ends and getting it ready for cleaning which increases decision-making time.
- Automated data processing with SQL & Python to reduce processing time by 20%, creating pie-graphs & interactive dashboards for client insight.
- Utilized Excel, SQL, Python to analyze sales data & customer behavior, resulting in strategic product offerings & operational changes for clients.

GEN-AI PROJECTS

- Insurance Documents QA Chatbot Using LlamaIndex and LangChain.
- Insurance Documents QA Chatbot Using LlamaIndex and LangGraph.
- Insurance Documents QA Chatbot Using LlamaIndex.
- Laptop Recommendation Chatbot using RAG and LlamaIndex.
- Semantic Spotter AI Project.
- Helpmate AI Project.

For above mentioned and many more projects, visit my Github-page:
https://github.com/binduja-kademani