HCLTech

Vivek Kumar

Technical Lead- AI HDU

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A I am a technology enthusiast with experience in developing AI-driven solutions. I focus on creating models that enhance user experiences and streamline decision-making through automation. I am passionate about leveraging advanced technologies to optimize processes and deliver meaningful results.

Technical Skills

Proficiencies:. Python, C++, Supervised Learning, HTML, CSS, JavaScript

Supporting Skills: GenAI, AWS Bedrock

Education

Institute	Education	Year
IIT (ISM) Dhanbad	Master of Technology(CSE)	2021-2023
KNIT Sultanpur	Bachelor of Technology (IT)	2016-2020

Work Experience:
I have a approx. 1 year of working experience in HCLTech as Technical Lead

Technical Certificate: Generative AI on AWS , Google GEN AI L100

Key Projects Undertaken

S.no	Customer Name - Project Title	Description	Duration (Years)
1	Husqvarna- Tool Selector Generation	This project involves the development of a model powered by Generative AI to recommend the most suitable Husqvarna tools based on specific user requirements and specifications. By analyzing various parameters, the model will provide tailored suggestions, ensuring users select the best-fit tools for their needs.	0.4
2	Husqvarna – Test Case Generation	This project involves the development of a tool that generates test cases from requirements provided in DOCX format, utilizing a Large Language Model (LLM) like Anthropic Claude. The tool will incorporate a Retrieval-Augmented Generation (RAG) model, which accesses a vector database of previously generated test cases. When a new requirement is introduced, the system will efficiently retrieve relevant examples from the database and generate contextually appropriate test cases, ensuring comprehensive coverage and alignment with existing standards.	0.4
3	DEX – IMEI Assessment Tool	This project aims to automate the ticket audit process, where each ticket is divided into various phases, each with distinct functional requirements. Based on how well these requirements are met, credits will be allocated, and each phase will carry a different weightage contributing to an overall IMEI score. Generative AI will be employed at each phase of the ticket to ensure that the specific functional requirements are addressed effectively, enhancing the accuracy and efficiency of the audit process.	0.2
4	SBD- GEN AI Search Experience	Enhancing the search experience with the help of generative AI to enable more effective tool discovery.	Currently working