Harsh Kumar

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OBJECTIVE

I am a motivated and adaptable individual seeking a challenging role in software engineering, where I can leverage my technical skills and passion for innovation to contribute to impactful projects and advance my career.

EDUCATION

MIT ADT University — Pune, Mh, India
Bachelor of technology in Information Technology - 7.12 CGPA — *Aug. 2021 – July 2024*

MIT WPU School of Polytechnic — Pune, Mh, India
Diploma in Information Technology - 92.13%. — *Aug. 2018 – Aug 2021*

St.Judes Vidyalaya — Begusarai, Br, India
Schooling 10th - 80%. — *Mar 2017 – Apr 2018*

TECHNICAL SKILLS

Languages: Java, Python, Sql, JavaScript, HTML, CSS, Php
Frameworks: LangChain, Streamlit, Chainlit, Angular JS
Developer Tools: VS Code, Git, AWS, GCP, Jira, Jupyter, MongoDB, Android studio, PyCharm
Additional Skills: Docker, Kubernetes, Jenkins, Springboot, Big data analytics, Power BI, Bootstrap

EXPERIENCE

Software Engineer Intern — Jan 2024 – Jul 2024
Centre for Development of Advanced Computing(CDAC) — *Pune, India*

- Responsible for backend development of LLM Multimodal project, ensuring seamless interaction with frontend.
- Configured development environment for high-performance computing (HPC) network access.
- Implemented RAG using LangChain to enhance information retrieval for CDAC LLM Multimodal.
- Optimized deployment environment hosted on Supercomputer, reducing load time by up to 27%.

Software Development Intern — Apr 2023 – June 2023
Ministry of Housing and Urban Affairs, Govt. of India — *New Delhi, India*

- Developed and optimized a comprehensive website for local shopkeepers.
- Enabled online selling and services for all local commodities resellers, enhancing accessibility and convenience.
- Recognized as a top performer, selected among top 5 projects, and presented findings to senior officers.
- Implemented version control with GitHub for efficient collaboration and code management.

Research and Development Engineer — Jul 2022 – May 2023
Eastern Royal Company — *Pune, India*

- Implemented AWS-based cloud and storage solutions, optimizing scalability and efficiency.
- Analyzed and experimented to identify tailored solutions for project needs.
- Utilized AWS services to enhance storage, hosting, and analytical capabilities for client projects.

PROJECTS

i-kisaan | *HTML, CSS, php, Sql* — May 2020 – May 2021
  * Led the project development and contributed significantly as a main developer
  * Developed a full-stack web application, optimizing code for improved performance by 12%
  * Implemented connectivity using APIs of different services to fetch data, enhancing user experience
  * Added functionalities of live chat and regional languages support, increasing user engagement
  * https://github.com/thegeekygamechanger/Major-project-dip.git

MrTouride | *Unity 3D, Flutter, IoT, Machine learning* — Jan 2023 – April 2023
  * Led a hackathon-winning project, contributing to idea generation,development of machine learning algorithms
  * Developed a VR-based project for tourism, optimizing code for a smoother experience

* Integrated touch sense feature, enhancing user immersion and interaction
* Created a community platform for sharing tour data, optimizing data processing algorithms for efficiency
* Optimized equipment connectivity, reducing latency by up to 30ms
* https://github.com/thegeekygamechanger/MrTouride.git

ApnaGPT | *ollama, Langchain, python, streamlit*   Mar 2024– Apr 2024
* Developed a GPT chatbot, optimizing code for improved response time
* Utilized 7B parameters orca-mini datasets, optimizing model for better performance
* Implemented RAG for customized data source addition, optimizing model for flexibility
* Implemented Streamlit framework for frontend and backend sync, optimizing user interaction
* https://github.com/thegeekygamechanger/Ollama-based-chat-agent.git

KitaabPadhoIndia | *HTML, CSS, AngularJs, DevOps, Machine learning*   July 2023 – May 2024
* Leading the development of a Web portal based on advanced web technology and own copyrighted idea.
* Optimizing code for improved performance and scalability, achieving a 23% increase in efficiency.
* Implementing LLM chatbot support using RAG for integrating external data sources for accuracy.
* Facilitating the sale, purchase, and rental of study materials within a geographical area, enhancing user convenience.

ACCOMPLISHMENTS

* Smart India Hackathon 2020: Qualified in software category, under top 3 teams qualified for finals.
* 1st Position at IIIT Pune Ideathon 2k22 among 50 teams.
* AIT, Pune No-code Startup: Qualified for finale.
* 1st Position in Paper Presentation at MIT CORER, Solapur among 14 teams.
* Innohacks 2.0 Finalist: Among 2215 participants at KIET Group of Institutions, Delhi NCR.
* HackMITWPU: Qualified for finals in the top 10 teams.
* Secured top 15% position in CodingNinja Codekaze 2023.
* Smart India Hackathon 2023: Qualified in hardware category in internal hackathon.

PUBLICATIONS

* i-kisaan technical paper published in IJCA
* Copyright registered for KitaabpadhoIndia under copyright office, Gov.of India-L-122712/2023
* Copyright registered for Application development on the problems faced by local and rickshaw drivers and the riders within their area under copyright office, Gov. of India-L-135919/2023

HackerRank: harshkumargoluku1