

POOJA KUMARI

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SUMMARY

Project Engineer with 2 years of experience in Linux kernel development, embedded systems, and AI-driven applications. Specializing in Linux device drivers, kernel debugging, ARM Trusted Firmware, and UEFI for Marvell-based platforms. Also built production-grade agentic AI and LLM-based systems, including finetuned

EXPERIENCE

June 2024-Present

Wipro -Project Engineer

- Resolved complex Linux device driver issues (IRQ conflicts, GPIO interrupts) for Marvell microprocessor board via kernel-level RCA and debugging.
- Troubleshoot critical ATF and UEFI boot failures and maintained SDKs across multiple embedded platform versions.
- Optimized system performance and hardware compatibility by analyzing and migrating embedded kernel configurations.
- Maintained strict Copyright & Open-Source License compliance across source code repositories. Supported data-intensive environments by leveraging DPDK to ensure stable, high-speed network packet processing

SRCVP Digital Solutions – AI & Systems Consultant

Oct 2025 -Feb 2026

- Built end-to-end AI voice agent handling 1000+ calls with 99% completion rate
- Automated call feedback collection, eliminating manual effort and improving coverage by 35%
- Fine-tuned Phi-4 (DoRA) for local CAG pipeline → achieved 95% quality at 10× lower cost
- Designed KV-cache routing strategy, reducing memory usage by 50%

Managed Network Expert - Chegg

March 2023 -June 2024

- Delivered high-quality solutions to student queries in computer science and programming
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EDUCATION

- MTECH -Jawaharlal Nehru Technological University Hyderabad -CFIS 2023-2025
 - BTECH -Malla Reddy Institute Of Technology And Science -CSE 2018-2022
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PROJECTS

Credit Card Fraud Detection System (Deep Learning Ensemble)

- Developed ensemble model combining LSTM, GRU, and MLP for fraud detection
 - Addressed imbalanced dataset challenges using resampling techniques
 - Improved detection performance using stacking and voting ensembles
 - Built a Streamlit web app for real-time predictions and visualization
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SKILLS

- Technical: Generative AI (LLMs, Agentic AI), Fine-tuning (Phi-4, DoRA), Prompt Engineering, RAG/CAG Pipelines, KV-cache Optimization, Python, Streamlit, MySQL
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PUBLICATION

Controlling Ambiguity and Vagueness through AI Tools in Research Writing

International Research Journal of Modernization in Science and Technology (Sep 2024)

CERTIFICATIONS

- Full Stack GenAI Bootcamp KrishAI Technologies (Mar 2026 -Present)
- GitHub Copilot Certification – May 2025
- Core Java – Naresh IT (Dec 2022 – Mar 2023)
- Python Training – SSSIT (Mar 2022 – Jun 2022)