DEERAJ

Software Engineer

Backend & Automation • Python • LLM Integration

CONTACT

Phone: 8903618587

Mail: mail4deeraj@gmail.com

LinkedIn: LinkedIn Profile

Website: Personal Website

SKILLS

Programming:
Python • JavaScript • SQL • HTML/CSS

Backend Development:
FastAPI • Flask • Node.js • REST APIs • Backend Architecture • Automation Scripts

Frontend Development:
React • Vite

Databases:
SQLite • Relational Databases

AI & Data:
LLM Integration • Prompt Engineering • Local LLMs

Platforms:
Power Apps • Power Automate

Dev Tools & Practices:
Git • Github Actions • CI/CD • Agile Development

CERTIFICATIONS

Microsoft Certified: Power Platform Fundamentals
Microsoft
Issued December 2025

Web Development with HTML, CSS, Javascript
IBM
Issued April 2024

Machine Learning and Data Science
Campalin Innovations
Issued April 2023

PUBLICATIONS

Study on Anomaly Detection in Solar Power Conversion Systems Using Machine Learning Technique
Springer, Singapore
January 2026
Publication Link

SUMMARY

Software Engineer with experience in backend development, automation, and AI-powered systems. Skilled in building Python-based backend services, REST APIs, workflow automation, and LLM-integrated applications. Hands-on experience with FastAPI, Flask, Power Platform, SQLite, and full-stack development. Proven ability to design scalable systems, streamline operations, and collaborate in Agile environments.

WORK EXPERIENCE

ELGi Equipments Ltd.
January 2025 – August 2025
Developed workflow automation solutions using Power Apps and Power Automate to streamline internal business processes and reduce manual effort. Built and maintained Power Platform applications for task tracking, reporting, and coordination across teams. Integrated automated workflows with external systems and data sources using connectors and API-based triggers. Collaborated with cross-functional teams in Agile sprints to gather requirements, implement solutions, and improve process reliability. Explored early-stage AI and LLM-assisted automation concepts to evaluate potential enhancements for internal workflows.

PROJECTS

Full-Stack AI Interaction Platform
Tech: Python, React/Vite, Ollama, SQLite, Kokoro TTS
Nov 2025 – Present
Built a full-stack AI assistant platform with a Python backend and React frontend supporting real-time user interaction. Implemented local LLM inference with modular routing and persistent conversational memory using SQLite. Integrated text-to-speech using Kokoro TTS and designed a modular backend architecture for scalability and experimentation.

Enterprise Automation Applications (Power Platform)
Tech: Power Apps, Power Automate
Feb 2025 – Aug 2025
Developed internal Power Apps and Power Automate solutions for task tracking, service reporting, CRM-lite workflows, and approval processes. Reduced manual coordination and improved process efficiency through automated workflows and data flow between teams.

EDUCATION

B.Tech – Electrical and Computer Engineering
Amrita Vishwa Vidyapeetham (2021 – 2025)
CGPA : 6.63/10

HIGHER SECONDARY EDUCATION - Bharatiya Vidya Bhavan (2020 – 2021)
Marks : 563.18/600 (93.86%)

SECONDARY EDUCATION - Bharatiya Vidya Bhavan (2018 – 2019)
Marks : 459/500 (91.8%)