MITHUNSANKAR S

Aspiring AI/ML Engineer

CONTACT

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TECHNICAL SKILLS

- Languages: Python, R, Java, C++, JavaScript, SQL
- Frameworks: Angular, Node.js
- Databases: Oracle, MongoDB, PostgreSQL
- Tools: PowerBI, Gradio, Dialogflow, DBeaver, Postman API
- Other: AWS EC2, SSL/Nginx Setup

CERTIFICATIONS

- Mobile Application Development (PSG Tech)
- Cybersecurity & Ethical Hacking (Anna University)
- Cybersecurity - Incident Response and Thread Hunting (CIT)
- Machine Learning Internship — eArbor LLP   (1 Month)

LANGUAGES

- Tamil — Native
- English — Fluent
- Hindi — Working Proficiency

ACHIEVEMENTS

- Top 50 - IoT Embedded System (Technovation, Anna University)
- Founder - CODEX Innovation Club for Students and Teachers
- Led "Empowering Education with AI" event for 150+ teachers (GDG sponsored)
- 2nd Runner-Up - GDSC Coimbatore's Googleathon 2.0 Hackathon (Generative AI)

PROFESSIONAL SUMMARY

Passionate MSc AIML student skilled in machine learning, ERP system development, cloud-based deployment, and backend engineering. Experienced in developing customized solutions using Odoo, Python, and PostgreSQL. Strong foundation in AI optimization, full-stack development, and data-driven systems. Eager to apply technical expertise and problem-solving skills to innovative technology projects.

EXPERIENCE

Software Development Intern (Odoo Developer)
eArbor LLP | Hyderabad | July 2024 – Dec 2024

- Deployed and customized Odoo ERP on AWS cloud.
- Integrated AI-based panel optimization using Python, PostgreSQL.
- Developed SQL-based custom reports with DBeaver and Odoo.
- Implemented SSL/Nginx server setup for secure deployment.

PROJECTS

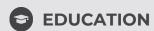**SKILLMORPH AI – PERSONALIZED CAREER SIMULATOR WITH GENERATIVE FEEDBACK AND TALKING AVATAR**

- Built a Generative AI platform using Google Gemini API and SadTalker to provide resume-based feedback and animated video reports.
- Integrated GitHub/LinkedIn APIs and deployed a full-stack solution using Streamlit for interactive, real-time skill gap analysis.

REINFORCEMENT LEARNING-BASED CUSTOMER SUPPORT CHATBOT WITH VOICE INTEGRATION

- Developed a multi-turn chatbot using Deep Q-Network (DQN) and BERT embeddings for dynamic response optimization.
- Enabled speech input/output and deployed via Streamlit UI, with real-time learning using prioritized replay.

SOLAR POWER PLANT SITE SELECTION OPTIMIZER

- Designed a PSO-based AI model to select optimal solar sites based on irradiance, land cost, and infrastructure proximity.
- Built a full-stack solution with FastAPI + React + Leaflet, featuring CSV input, map visualizations, and downloadable results.

EDUCATION

Coimbatore Institute of Technology	M.Sc. Artificial Intelligence and Machine Learning
2021 - 2026	CGPA - 8.07 (Upto 7th Semester)
Bharathi Vidya Bhavan	12th
2020 - 2021	Percentage : 90%