Sunil Kumar P

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Professional Summary

Full-Stack AI Developer with hands-on experience building modern web applications and a strong focus on Artificial Intelligence, Generative AI, and agentic systems. Experienced in developing AI-powered applications, integrating LLMs, MCP, intelligent workflows, and APIs to create practical software solutions. Strong analytical and problem-solving abilities with a passion for building scalable products and continuously learning emerging AI technologies.

Education

PSNA College Of Engineering and Technology *Dindigul, Tamil Nadu*
Bachelor of Technology - IT CGPA: 8.29 *2022 - 2026*

Cheran Vidhyalaya Matric Hr Sec School *Dindigul, Tamil Nadu*
HSC - Computer Science Score: 84.6 *2021 - 2022*
SSLC Score: 87.0 *2019 - 2020*

Experience

Ysquare Technology *June 2026 – August 2026*
Full Stack Engineer Intern *Royapettah, Chennai*

- Working as a React Native mobile developer, contributing to two production applications — MegaCab (TMS) and eSwayam — handling UI development, bug fixes, and feature implementation.
- Led the end-to-end development of the core eSwayam v2 feature by architecting a scalable multi-building contribution system, replacing the v1 single-entrance/single-exit model.
- Redesigned the app-wide UI/UX and integrated REST APIs for seamless frontend-backend communication.

Lavendel Consulting *December 2025 – March 2026*
Intern Trainee - Certificate *Remote*

- Developed and maintained scripts to implement real-time client requirements across PriceFX platform modules including **Analytics, Price Setting, Quoting, Agreements, Promotions, and Rebates**.
- Collaborated with senior engineers to optimize API selection and data-processing logic, improving script efficiency.
- Followed software quality practices, participated in code reviews, debugging, and root cause analysis to deliver solutions.

Projects

GitPulse *June 2026 – June 2026*
Technologies Used: React.js, FastAPI, Supabase, GitHub REST API, GitHub Remote MCP, Groq cloud, GPT-OSS 120B
Repository Link: https://github.com/sunilkumar1701/GitPulse

- Developed an AI-powered GitHub analytics **browser extension** featuring developer scoring, repository analysis, technology-stack analysis, activity tracking, repository quality assessment, and portfolio readiness insights.
- Architected an **agentic AI chatbot** using GPT-OSS 120B and GitHub Remote MCP, implementing semantic routing, dynamic tool orchestration, multi-step reasoning, deterministic aggregation, and optimized context management.
- Built the backend and AI integration layer with FastAPI, Supabase, GitHub REST APIs, Groq, and streaming responses, implementing secure MCP execution, PDF report generation, and Microsoft Edge Add-ons deployment.

Intelligent Recovery Prediction and Personalized Care System for Upper Limb Fractures *Aug 2025 – Apr 2026*
Technologies Used: Python, Flask, CNN, Random Forest, JavaScript, REST API, MongoDB

- Built a full-stack AI-powered healthcare application using a Convolutional Neural Network to classify upper limb fracture severity from X-ray images, and a Random Forest machine learning model to predict patient recovery duration.
- Trained on 70,000+ medical images across 3 datasets, applying image preprocessing, feature extraction, and normalization to improve prediction accuracy.
- Using Flask REST API, built a web application that delivers AI-driven diet and rehabilitation exercise recommendations.

Technical Skills

Programming Languages: Java, Python, JavaScript
Web Technologies: React.js, React Native, Node.js, Express.js, FastAPI, REST APIs, HTML5, CSS3
Databases: MongoDB, SQL, Supabase
Generative AI Agentic AI: LLM Integration, Prompt Engineering, Open-Weight Models, Model APIs, Tool Calling, RAG, AI Agents, Agentic Workflows, MCP, AI Orchestration
Developer Tools: Git, GitHub, GitLab, Postman
Core CS: DData Structures Algorithms, OOP, SDLC, Software Testing, Debugging

Certifications

Anthropic Claude: Claude Code in Action
Coursera: Crash Course on Python
J.P. Morgan (Forage): Software Engineering Job Simulation
Infosys Springboard: Web Developer Certification
Coursera: Front-End Web Development (2023)

Achievements

Leetcode: Solved 240+ coding problems in Java.
GitPulse: Publicly available as a Microsoft Edge Add-on.
Paper Publication: 2026 9th International Conference on Inventive Computation Technologies (ICICT)