Harsh Kumar Banka

Bengaluru, India
7275059321 harshbanka321@gmail.com linkedin.com/in/harsh-banka
github.com/LordHarsh www.harshbanka.tech

Education

SRM Institute of Science and Technology | ***8.75*** **Sep. 2022 – May 2026**
Bachelor of Technology in Computer Science and Engineering *Chennai, India*

Experience

Quinence **Jun. 2026 – Present**
Software Engineer *Singapore*

- Built Halocard end to end, a fintech platform that lets users spend crypto via Visa card, with on-ramp, card issuance, and full KYC shipped to production
- Built an AI agent on Claude Code that traces reported issues to their root cause in code and data, and a multi-tenant MCP server on Cloudflare Workers (OAuth, read-only access) for a B2B SaaS platform

EmendoAI **Oct. 2024 – May 2026**
Software Engineer (AI/ML) *California, USA*

- Developed a multifunctional AI agent using chain-of-thought methodology, enabling dynamic interaction across cloud services for comprehensive querying, decision-making, and automated task execution.
- Developed an AI pipeline using Gemini to classify and extract structured data from multi-page receipt and quote PDFs, processing documents asynchronously via SQS-triggered Lambda functions to automate estimate creation.
- Built an LLM-powered automated testing framework with a three-phase pipeline to run end-to-end regression tests and evaluations across 10+ backend features and agent pipelines with zero manual intervention
- Architected and maintained 200+ AWS Lambda functions across 35 CDK stacks powering a production construction management platform with multi-agent AI services.

National Institute of Technology Trichy **May. 2024 – Jul. 2024**
Research Intern *Tiruchirappalli, India*

- Developed HRNet model for pose estimation to monitor infant motor skill development using the FiDIP methodology.
- Created workflow to estimate movement of children using predicted key-points of individual frames.

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, C/C++, HTML/CSS, MATLAB
Software Devlopment: NodeJs, Express, React, NextJs, SpringBoot, FastAPI, Flask, Django, Sanity, MongoDB, SQL, Reddis, Docker, AWS, Microsoft Azure, Supabase, Appwrite
AI/ML: TensorFlow, MLFlow, ZenML, Numpy, Pandas, Data Analysis, Model Development, MLOPs
GenAI: LangChain, Vector DBs, Agent SDK, Claude Code SDK, ADK

Projects

Halocard | *halocard.co* **NextJS, Supabase, Rain.xyz, Coinflow**

- Built a crypto-backed Visa card platform integrating Rain (card issuer), Coinflow (on-ramp), and multi-chain wallet support (Ethereum + Solana) with KYC.
- Architected a platform for card provisioning and transaction management, deployed to production, serving real users.

MedClaim AI | *LordHarsh/medclaim-ai* **Next.js, LangGraph, AWS Lambda, Gemini, Neon PostgreSQL, SQS**

- Built AI-powered insurance claims processor with 5-agent LangGraph pipeline (doc verification, extraction, policy evaluation, fraud detection, final decision) processing claims via SQS-triggered containerized Lambda.
- Implemented config-driven policy engine with 10 dynamic evaluators, SSE real-time progress streaming, and full CI/CD via GitHub Actions to ECR.

Positions of Responsibility

Technical Head - Alexa Developers SRM **SRMIST**
Vice-President - Data Science Community **SRMIST**

Achievements

1st Place in CodeFest Hackathon by SRM Technologies **February 2024**
Project- AuthentiCheck Interview System *SRMIST*
1st Place in DigiZest Hackathon **September 2023**
Project – Armando IOT *SRMIST*