

NAVEENKUMAR K R

Bengaluru, INDIA | +91 82773 37501

naveenkumarkr555@gmail.com | linkedin.com/in/naveenkumarkr777 | github.com/NAVEENKUMARKR777

OBJECTIVE

Founding-engineer-minded Python and AI engineer driven to build zero-to-one systems from the ground up, with a strong bias toward ownership and execution. Experienced in architecting scalable backend and AI-powered platforms taking products from raw problem definition through data pipelines, model integration, API design, infrastructure, and production deployment. Seeks early-stage startup environments where technical decisions directly shape product direction, system reliability, and long-term engineering foundations.

EDUCATION

Bachelor of Engineering (B.E.)

Electronics and Communication Engineering

Proudhadavaraya Institute of Technology

2023

SKILLS

- Programming:** Python, C/C++, Rust
- Core CS:** Object-Oriented Programming, Data Structures and Algorithms
- Backend:** FastAPI, Django REST Framework, Flask, API Design, Scalable Backend Systems
- Frontend:** React.js, Next.js, JavaScript, TypeScript, Node.js
- AI/ML:** NLP, LangChain, LLMs, RAG, AI Agents
- Blockchain:** Smart Contracts, DeFi, Solana, Ethereum
- Databases:** SQL, NoSQL
- DevOps:** Docker, Kubernetes, CI/CD

EXPERIENCE

VLSI Intern — Maven Silicon

8 Months

Worked on digital design fundamentals, RTL concepts, timing analysis, and exposure to industry-standard EDA tools.

Software Developer — Valuezen

2 Months

Contributed to backend API development, debugging, and feature implementation using Python-based frameworks.

Software Developer Intern — PayAssured

Dec 2025 – Present

Working on backend and AI-driven features, scalable APIs, and production-grade systems.

PROJECTS

Aviation Chatbot with Autonomous Agents

Built an AI-powered aviation chatbot using FastAPI, Llama-4 (Groq API), Redis, and WebSockets with autonomous intent handling, JWT authentication, and Dockerized deployment.

Quantum Physics RAG with Phi-3

Developed a fully local RAG system over arXiv quantum physics papers using FAISS and fine-tuned Phi-3 Mini with LoRA for GPU-accelerated inference.

Solana Staking Application

Designed and deployed a Solana smart contract for secure token staking and unstaking using Rust and Solana Web3.

CRM – Internal Tools

Built an end-to-end document reviewer system for internal CRM workflows, enabling document validation, review tracking, and role-based access control.