

# M P Pragadhish Raaj

B.Tech in Computer Science & Engineering

+91 8056 430346  
mpragadhishraaj@gmail.com  
[pragadhish.vercel.app](https://pragadhish.vercel.app)  
m-p-pragadhish-raaj-6a6735252  
Pragadhishnitt  
NIT Tiruchirappalli, Tamil Nadu



## Professional Summary

Autonomous Systems Architect and Full-Stack Engineer specializing in production-grade AI/ML systems. Expertise in LLMOps, cybersecurity, and scalable backend architecture with proven track record of delivering end-to-end intelligent solutions bridging research and deployment.

## Education

- Nov 2022–May 2026 **B.Tech in Computer Science & Engineering**, National Institute of Technology, Tiruchirappalli, CGPA: 8.41/10.0
- 2022 Class XII (CBSE), SPRINGDAYS CBSE School, 94.8%
- 2020 Class X (CBSE), SPRINGDAYS CBSE School, 96.6%

## Technical Skills

Languages	JavaScript, TypeScript, Python
Backend	FastAPI, Node.js, Express.js
DevOps	Git, Docker, Kubernetes, Linux
Databases	MongoDB, PostgreSQL, MySQL, Redis
Cloud	AWS (Learning)
AI/ML	PyTorch, Hugging Face, LangChain, LangGraph, OpenAI, Vector Databases, RAG
Specializations	LLMOPs, Cybersecurity, System Architecture, Multi-Agent Systems

## Featured Projects

**Agent Smith: Autonomous AI Interviewer & Market Research**, GitHub  
Python / LangChain / OpenAI / FastAPI / Redis / Docker / PostgreSQL

- Engineered autonomous AI agent with multi-agent orchestration for intelligent conversations and market research, achieving 80% reduction in research cycle time
- Built production-grade LLMOPs pipeline with real-time monitoring, structured logging, and cost optimization for scalable deployment

**CyberKavach: AI-Powered Web Application Firewall**, GitHub

- Python / PyTorch / Transformers / Go / Docker / Prometheus / Grafana
- Developed transformer-based defense system achieving 97% detection rate on zero-day attacks with near-zero false positives and sub-millisecond latency
  - Designed continuous learning pipeline with ensemble architecture adapting to emerging threats in real-time for production environments

## **EarlyBird: Proactive SLA Breach Prediction Engine, GitHub**

*Python / Scikit-learn / TensorFlow / Kafka / ClickHouse / Prometheus*

- Built ML-powered system with time-series forecasting predicting SLA breaches hours in advance, reducing breaches by 65% and saving 4 hours per incident
- Engineered feature extraction pipeline processing 100+ signals with seamless integration to PagerDuty and Slack for automated alerting

---

## Professional Experience

Aug **Senior Manager, Spider R&D Club, NIT Trichy**

- 2023–Present
- Led cross-functional teams on AI/ML research projects and mentored teams to victories in national-level technical competitions
  - Established best practices for code quality, documentation, and collaborative development across multiple high-impact projects

Jun **Deputy Marketing Manager, Festember, NIT Trichy**

- 2023–Oct  
2023
- Drove strategic marketing for South India's largest cultural festival, securing key sponsorships and reaching 50,000+ students
  - Coordinated multi-channel campaigns and managed operations under high-pressure deadlines ensuring seamless execution

---

## Achievements

- **Winner**, Transfinitte Hackathon | NIT Trichy
- **Runner-up**, Agentic AI Hackathon | IIT Delhi
- **National Finalist**, Smart India Hackathon (SIH)
- **Runner-up**, StartUp-Arena National Competition | Pragyan, NIT Trichy
- **District Champion**, Chess U-13 & U-15 Categories