# **Karthik Nair**

# Software/Data/FLOSS Enthusiast | AI Engineer

New Delhi, India | +91 96436\* | Email | Github | LinkedIn | Website

Developer with a passion for open-source and building impactful solutions. Skilled in Data Analytics, backend systems, and cloud. Known for adaptability, teamwork, and active hackathon participation during college.

#### **EDUCATION**

Indira Gandhi National Open University | Master of Computer Applications (Ongoing) | 2025–2027

VIPS, Guru Gobind Singh Indraprastha University New Delhi | **Bachelor of Computer Applications** (Data Science & Analytics) – 9.1 CGPA | 2021–2024

## **WORK EXPERIENCE**

Tata Consultancy Services, Noida – Al Engineer | Aug 2024–Present

- Building intelligent systems for a US-based pharma client to automate document processing, data analysis, and graph generation using fine-tuned LLMs, FastAPI, LangChain, internal tools and cloud platforms. It Reduced dataset analysis time by 90%, accelerating insights and drug discovery.
- Tech: Python | FastAPI | LangChain | Generative AI | Data Analytics | AWS | Azure

## PERSONAL and ACADEMIC PROJECTS

- **EPP-systemd** (Jul 2024–Present) : A customizable systemd service that automatically adjusts CPU energy performance preferences and display settings based on battery status and capacity.
- **SeniorSage** (Jan 2024–Present) : Al platform offering resume reviews, GitHub analysis, and roadmap suggestions for CS students.
- **Food-for-All** (Aug 2023–Dec 2024): A python-based app that connects restaurants and NGOs to combat the wastage of excessive food with a real-time database.

#### **SKILLS**

- **Technical**: Backend (FastAPI, Flask), Cloud (Azure, GCP), Python, C++, Bash, MySQL, Firestore, Git, Linux, Systemd, HTML, CSS, Web Scraping, Gen AI, Prompt Engineering, NLP, Shell Scripting, Platforms (Firebase, Vercel, Render)
- Non-Technical: Content Writing, Video Editing (Davinci Resolve), Photography, Digital Marketing

## **AWARDS**

• Bug Bounty Cash Award from Google Buganizer @ Android 12/13 | 2021

## **LANGUAGES**

• Professional Proficiency: English, Hindi

• Native/Bilingual Proficiency: Malayalam

• Limited Working Proficiency: Tamil