Jeevith Gangadhar

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SUMMARY

Software engineer graduating in 2027 with a BSc in Computer Science and 12+ months of industry experience across four technical roles. Builds full-stack and backend systems end to end: designed a multi-tenant PostgreSQL platform and grew it to around 10,000 users as Tech Lead, built a TypeScript backend with 90 REST endpoints serving 7 client applications, shipped production real-time AI services, and worked in Ericsson's Infrastructure and Network Security team. Writes clean, maintainable code, automates delivery with CI/CD, and optimises for performance and reliability, from a 742 ms real-time pipeline to 0.76 ms on-device inference. Ranked #1 globally in TraceBash CTF 2026 and a HackMIT finalist.

WORK EXPERIENCE

AI Voice Agent Developer Jul 2026 – Sep 2026
VoiceDots *Chennai, India (Remote)*

- Built and shipped production generative AI voice agents that automate customer engagement, lead generation and support workflows for enterprise and SMB clients.
- Developed end-to-end voice AI pipelines combining Large Language Model (LLM) reasoning, Automatic Speech Recognition (ASR) and Text-to-Speech (TTS) over WebRTC for low-latency, browser-native audio.
- Implemented multi-turn dialogue management with context retention and agentic flows; reduced latency through prompt engineering, streaming inference and real-time audio processing.
- Translated client business requirements into AI features with product and design teams, iterating quickly on customer feedback.

Software Engineer Intern – Infrastructure & Network Security May 2026 – Jul 2026
Ericsson *Bengaluru, India (Hybrid)*

- Supported enterprise IT infrastructure, service delivery and security engineering within Infrastructure and Network Security operations at a global telecoms company.
- Monitored infrastructure systems, security controls and network operations, contributing to risk mitigation and incident response.
- Worked across DevSecOps, CI/CD, Identity and Access Management (IAM) and cloud infrastructure in large-scale distributed systems.
- Gained hands-on exposure to infrastructure hardening, vulnerability assessment and compliance processes.

Full Stack Developer & Tech Lead Jul 2025 – Jan 2026
Colcord *Manipal, India (On-site)*

- Owned the V1 product from zero to launch, partnering with product managers, designers and business stakeholders to align technical decisions with go-to-market strategy; the platform grew to around 10,000 users.
- Designed the backend, REST APIs and a multi-tenant PostgreSQL data model on Supabase with Row-Level Security (RLS) for secure customer data separation.
- Automated CI/CD and deployment pipelines with GitHub Actions, replacing manual releases and increasing team delivery capacity.
- Led code reviews, mentored junior developers and set team-wide engineering best practices.

AI Intern Aug 2025 – Dec 2025
Kasturba Hospital *Manipal, India (On-site)*

- Partnered with doctors and medical staff to understand clinical decision-making and translate their needs into AI features for outcome prediction and decision support.
- Built end-to-end machine learning pipelines on patient Electronic Health Records (EHR), including data cleaning, preprocessing and feature extraction, under strict data-privacy rules.
- Measured model predictions against clinician decisions (AI-versus-clinician agreement) and presented results clearly to hospital teams.

PROJECTS

PromptForge – Multi-Agent AI Platform (Founder) GitHub
TypeScript, Next.js, React, Hono, AWS Lambda, PostgreSQL/pgvector, Electron, Swift

- Built an AI platform that interviews users, drafts platform-tailored prompts and scores every output against an auditable 8-dimension quality rubric across 13 AI platforms, including ChatGPT, Claude and Gemini.
- Orchestrated 13 AI agents through a 13-state supervisor state machine, routing each step across Groq, Gemini, Cerebras and 345+ OpenRouter models to optimise cost and latency.

- Implemented Retrieval-Augmented Generation (RAG) with embeddings and vector search on pgvector, returning document-grounded answers with citations.
- Shipped 7 surfaces (web app, Chrome and Firefox extensions, Electron desktop app, native macOS app and SDK) on one backend with 90 REST endpoints over 29 encrypted tables.
- Designed security in from the start: Bring-Your-Own-Key envelope encryption, fail-closed content-safety gates and append-only audit logging.

UniPhish – Multilingual Phishing-URL Detection (Research Paper) GitHub

Python, TensorFlow, 1D-CNN, TFLite, FastAPI, STIX/TAXII, MITRE ATT&CK

- Designed a byte-level 1D-CNN for phishing detection across 6 writing systems, achieving 0.9991 macro-F1 in-distribution and 0.9954 F1 on a held-out real-world set of 7,199 URLs.
- Applied adversarial training against homoglyph attacks, keeping 0.995 accuracy at 20% character substitution.
- Compressed the model to 0.40 MB (int8) with 0.76 ms CPU inference and deployed it on-device in a Chrome extension, so no browsing data leaves the user's device.
- Built real-time threat hunting over Certificate Transparency logs, producing STIX 2.1 / TAXII 2.1 indicators mapped to MITRE ATT&CK.

Multilingual Voice AI Agent GitHub

Python, Whisper, LLaMA 3.2, Piper TTS, Ollama, WebRTC, Twilio

- Built a self-hosted voice agent in Hindi, Tamil, Telugu, Kannada, Tulu and English at 85–90% lower running cost than commercial APIs.
- Optimised the pipeline to 742 ms end-to-end latency and 488 ms time-to-first-sound, benchmarked on an AMD Instinct MI300X GPU.

KEY ACHIEVEMENTS

- **TraceBash CTF 2026 – 1st Place Globally** (6,154 points) and **RIFFHACK CTF 2026 – 2nd Place Globally** (5,955 points) across reverse engineering, cryptography, web exploitation, forensics and binary analysis.
- **HackMIT Finalist (MIT, USA):** placed 33rd worldwide in the HackMIT admissions puzzle, where only the top 50 earn entry.
- **Research paper (UniPhish):** reproduced a published IEEE study, corrected its flawed claims, and reached 0.9954 F1 on 7,199 unseen real-world URLs.
- **Scale and performance:** grew a multi-tenant platform to around 10,000 users; optimised a real-time AI pipeline to 742 ms end to end; compressed a neural network to 0.76 ms CPU inference.
- **45+ hackathons and CTFs** competed in, including finalist placings at IIIT Hyderabad and IIT Roorkee and 4th place at MIT Manipal.

EDUCATION

BSc (Hons) Computer Science 2026 – 2027

University of Hertfordshire *Hatfield, UK*

B.Sc. (Applied Sciences) Computer Science & Engineering 2024 – 2026

Manipal Academy of Higher Education (ICAS) *Manipal, India*

A grades in Object-Oriented Programming Using Java (95%), Web Programming (92%) and Systems & Network Security (90%).

Relevant Modules: Data Structures, Design & Analysis of Algorithms, Database Management Systems, Machine Learning, Data Analytics with Python, Operating Systems, Computer Networks, Principles of Cryptography, Embedded Systems.

TECHNICAL SKILLS

Programming Languages: Java, Python, TypeScript, JavaScript, SQL, Go, C++, Swift, HTML, CSS

Frontend: React, Next.js, React Native, Tailwind CSS, Electron

Backend and APIs: Node.js, Express.js, Hono, FastAPI, Flask, REST APIs, WebRTC, SDK Development

Databases: PostgreSQL, MySQL, Redis, Supabase, Firestore, pgvector, Database Design and Data Modelling

Cloud and DevOps: AWS Lambda, Docker, GitHub Actions, CI/CD, Linux, Git, Jira, Postman

Computer Science: Data Structures, Algorithms, Object-Oriented Design, Operating Systems, Computer Networks, Distributed Systems

AI and Security: LLM Integration, AI Agents, RAG, PyTorch, TensorFlow, IAM, Network Security, Cryptography