

ARYAN JAISWAL

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PROFESSIONAL SUMMARY

Final-year CS student with production **GenAI**, **ML** and **full-stack** experience; shipped voicebot infrastructure serving **1.5L+ monthly calls**, built **AI-native** internal tooling adopted across teams, and engineered a **self-healing auto-loop** enabling autonomous bot updates with **zero human intervention**. Published at **COMSNETS 2026**; **Microsoft Build-a-thon** winner.

EDUCATION

Indian Institute of Information Technology, Dharwad

B.Tech - Computer Science and Engineering | CGPA: 7.76/10

2022 – 2026

Dharwad, Karnataka

WORK EXPERIENCE

Exotel – Tech Intern | *GenAI*

Oct 2025 – Present

- Built **Argus**, a **Gemini-powered Google Chat** bot for voicebot debugging with **tool-calling** NL interface, **audio latency** analysis, and **Splunk** alert automation that reduced alert noise by **40%**; cut debugging from **hours to minutes**.
- Hardened **LLM execution pipeline** using **asyncio.wait_for** (**7s** timeout), **parallel tool-call** guards, and **LangGraph** greeting-state injection; eliminated silent-call incidents and shipped **BlueDart** voicebot live with **150,000** monthly calls.
- Architected **nginx** WebSocket load balancing achieving **8× capacity** (**1,024** max connections); built **Prometheus/Grafana** monitoring with **30s** real-time alerts, **Ansible** roles cutting provisioning from **hours to minutes**, and **LLM timeout metrics**.

Joveo – AI/ML Intern | *Supply Automation*

Oct 2025

- Engineered and productionized a scalable **RAG**-based automation pipeline using **n8n**, **Gemini** embeddings, and **PostgreSQL** (**pgvector**); parsed email threads, extracted entities, and indexed **384-d** vectors, reducing manual processing time by **60%**.
- Integrated **LLM** summarization, **WhatsApp** and **Telegram** alerts, and reports, improving response turnaround time by **50%**.

Infosys Springboard – AI/ML Intern | *Plant Disease Classification*

Mar 2024 – June 2024

- Implemented and deployed a **CNN**-based plant-disease classifier using **Python** and **Flask REST APIs**; built **scalable** training pipelines for **60,000+** images with augmentations and class-weighting, achieving **90%** accuracy and **92%** precision.
- Enhanced backend and Java deployment to improve reliability and latency, cutting API time by **50%** and load by **30%** via **JWT** auth, **async** queues, **Redis** caching, **batched** queries, **Docker** CI/CD, and **k-fold** validation for inference stability.

PROJECTS

AURA – Agentic Finance AI | [Live](#) | [GitHub](#) | [Demo](#) | *Azure OpenAI, Node.js, MongoDB, LangChain, Socket.IO*

- Developed a **multi-agent AI platform** with **5 agents** using **GPT-4.1** and **RAG**(embeddings, cosine similarity), orchestrated via an **A2A** shared-context protocol with parallel execution and **MCP** integration to **Fi.Money's** live financial API (**6 tools**).
- Deployed on **Azure App Service** with **MongoDB Atlas** persistence, **LangSmith** tracing, and **Socket.IO** streaming; dynamic scaling serves simple queries in **2 agents** and complex planning in **5 parallel**, achieving **3–8s** latency at **99.9%** uptime.

DevTinder | [Live](#) | [GitHub](#) | [Demo](#) | *JavaScript, React.js, Node.js, Express.js, MongoDB, Azure*

- Engineered a scalable **MERN**-based developer matching platform using vectorized skill embeddings with **ANN** search, streamlined indexing and caching for low-latency retrieval, and built **real-time chat** using **Socket.IO** for seamless collaboration.
- Implemented secure **JWT + Google OAuth** authentication, integrated **Razorpay** webhooks, deployed backend on **Azure** via **CI/CD** using **Docker**, and built a mobile-first, component-driven responsive UI with **Tailwind CSS** for improved UX.

TECHNICAL SKILLS

CS Fundamentals & Languages: Data Structures, Algorithms, OOP, Operating Systems; Java, Python, C++, SQL

Frontend: React, JavaScript, TypeScript, HTML/CSS, Tailwind CSS, Responsive Design

Backend & APIs: Node.js, Express, Django, FastAPI, Flask, RESTful APIs, MongoDB, PostgreSQL, Redis, System Design

Cloud & DevOps: Azure, AWS, GCP, Docker, Kubernetes, CI/CD, Linux

Testing & Tools: Git, GitHub, Bitbucket, Postman; familiarity: Jest, Cypress, Observability/Monitoring

AI/ML & Libraries: LLMs, RAG, MCP, Vector Embeddings, TensorFlow, PyTorch, scikit-learn, Hugging Face, LangChain

ACCOMPLISHMENTS & LEADERSHIP

Research Paper Author – COMSNETS 2026 (Main Conference): **Published & Presented** *A Bid-Driven Optimization Framework for Real-Time Electric Vehicle Charging Scheduling*; presented as a 10-min talk in Bengaluru. [\[paper\]](#)

Microsoft JS AI Build-a-thon: People's Choice & Overall Winner. As the Troop Lead, I mentored **80+ developers** and led the creation of **AI Career Navigator** to **plan and assist** students in job and internship preparation. ([TechCommunity Blog](#))

Finalist – Google Cloud Agentic AI Day Hackathon: Led my team to the top **3.5%** (2,000/57,000+) by building **AURA**, a multi-agent financial platform using Gemini, Node.js, Go, and **Fi's Model Context Protocol (MCP) server**.

LOR (Microsoft): Received it from **Pablo Veramendi**, Global Director, Audience Evangelism at Microsoft; **LOR** recognizes event leadership, workshops, community building and mentoring; **AI-900 Certified** validating AI, ML, CV, NLP and GenAI.

Founder & Former President – MSA IIIT Dharwad: Led and scaled the official community, managed a **60+** core team, and grew **MSA Nexus** to **500+** members for tech support and learning. **Only Gold Startup Scout at Microsoft in India.**