ARYAN JAISWAL

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EDUCATION

Indian Institute of Information Technology, Dharwad   **2022 − 2026**
B.Tech - Computer Science and Engineering   *Dharwad, Karnataka*

EXPERIENCE

Infosys Springboard – *AI/ML Intern | Plant Disease Classification*   **Mar 2024 − June 2024**
- Built and productionized a **CNN**-based plant-disease classifier with **Python** and **Flask REST** APIs; developed reproducible training pipelines on **60,000+** images, applied augmentations and class-weighting, achieving **90%** accuracy and **92%** precision.
- Optimized backend and deployment to improve reliability and latency—cut 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.

InfoKalash – *UI/UX Developer Intern*   **Jan 2025**
- Led usability redesign reducing navigation confusion by **40%** through revamped **Figma** workflows, improved IA, component libraries, and developer handoffs; coordinated design docs and interactive prototypes for rapid implementation.
- Conducted research with **15+** users, synthesized feedback into A/B-testable prototypes that increased engagement by **30%**.

Joveo – *AI/ML Intern | Supply Automation*   **Oct 2025**
- Developed and deployed an **RAG**-based automation pipeline using **n8n**, **Gemini** embeddings, and **PostgreSQL (pgvector)**; parsed email threads, extracted entities, and indexed 384-d vectors for contextual retrieval in AI-driven workflows.
- Integrated **LLM** summarization, **WhatsApp** and **Telegram** alerts, automated monitoring, and reports with insights.

Exotel – *Tech Intern | Gen AI*   **Oct 2025 − Present**
- Built full-stack Custom TestCase & Scenario Management using **FastAPI**, **Redis** (persistent storage) and **React/TypeScript**; implemented CRUD APIs, embedded scenarios, additions, KPI configs, UUID/timestamp, and Redis-backed job execution.
- Integrated system with test pipeline: **WebSocket** real-time updates, cron-driven post-call analysis, secure tunneling via **Cloudflare**/**Ngrok**, Redis orchestration, automated job orchestration pipelines, and test-recording ingestion for verification.

PROJECTS

DevTinder | Live | GitHub | *JavaScript, React.js, Node.js, Express.js, MongoDB, Azure*
- Engineered a scalable **MERN**-based developer matching platform using vectorized skill embeddings with ANN search, optimized indexing and caching for low-latency queries, 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 crafted a mobile-first, component-driven responsive UI with **Tailwind CSS** for enhanced UX.

AI Career Navigator | Live | GitHub | *Azure OpenAI, React.js, TypeScript, Flask, Three.js*
- Designed and productionized a comprehensive AI career assistant using **Azure OpenAI GPT-4.1** with **RAG** (chunking, embeddings, vector store) and dynamic interview generators; validated by **100+** users for resume feedback and gap analysis.
- Deployed and optimized microservices on **Azure App Service** with queue workers and **Azure AI Search**, ensuring **99% uptime** while handling **500+** operations via batching and sharding; integrated A/B pipelines, reducing user prep time by **60%**.

TECHNICAL SKILLS

CS Fundamentals & Languages: Data Structures, Algorithms, OOP, Operating Systems; Java, Python, C++, SQL
Frontend: React, HTML, CSS, Tailwind CSS, JavaScript, TypeScript, Responsive Design
Backend & APIs: Node.js, Express, Flask, RESTful APIs, MongoDB, MySQL, Redis
Cloud & DevOps: Azure, AWS, GCP, Docker, Kubernetes, CI/CD, Linux
Testing & Tools: Git, GitHub, Postman; basic familiarity: Jest, Cypress, Observability/Monitoring
AI/ML & Libraries: LLM, TensorFlow, PyTorch, scikit-learn, Pandas, NumPy, Hugging Face, LangChain

ACCOMPLISHMENTS & LEADERSHIP

Spotlight Award Winner − Microsoft JS AI Build-a-thon: As a **Troop Lead**, I mentored **80+ developers** and led the creation of AI Career Navigator to assist students in job and internship preparation.

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

Letter of Recommendation (Microsoft): Received LOR from Pablo Veramendi, Global Director, Audience Evangelism at Microsoft, recognizing contributions in event organization, workshop creation, community outreach, and mentoring.

Finalist − Level Supermind Hackathon: Top **2%** (500/25,000+) for BuzzHive, an AI-driven social media analytics platform.

Gold-MSA, Founder & President − MSA Chapter, IIIT Dharwad: As a **Gold Microsoft Student Ambassador**, led the official community, managed a **60+** core team, and grew MSA Nexus to **350+** members for tech support and learning.

IIITians Network: Key contributor to India's largest IIIT students network (**50k+** members); drove growth and engagement while continuing to support initiatives, share ideas, and strengthen collaboration across the community.