Aryan Jaiswal

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EDUCATION

Indian Institute of Information Technology (IIIT) Dharwad 2022 – 2026
B.Tech in Computer Science and Engineering | CGPA: 7.76/10 *Dharwad, Karnataka*
Coursework: Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks, OOP

EXPERIENCE

Exotel Bangalore, India
Forward Deployed Engineer *Jun 2026 – Present*

- Shipped **10+ LLM voice agents to production** in 5 languages and took 16 bots for 15+ clients through formal eval, owning requirements, prompts, tool/KB design, integrations and go-live.
- Ran client calls, demos and requirement sessions with CSM and sales teams across 10+ accounts, turning call feedback into same-day fixes; BFIL's MD praised the IndusInd bot.
- Built Argus's AutoLoop, a **7-stage workflow** in an agentic harness with symlinked bot repos and 16 skills: generated scenarios, compared prompt techniques in chat simulations, selected winners and rolled back regressions.
- Built Argus's in-house voice simulator for tests after chat simulations and before real calls; enabled Argus/AutoLoop in AI coding tools (Cursor, Claude Code). Harness used on 10+ builds; cut bot delivery from ~**1 week to 1–2 days**.
- Migrated Bawa's booking agent for 6 hotels to CIN with HMAC-signed Apache Camel routes; passed **313/313 route and 114/114 booking checks** on staging, then confirmed bookings after the production cutover.
- Automated 10 Kinetic Green campaigns (**100K lead entries**) with Python, Jenkins and AWS S3/SES: post-call lead reports and deterministic PDF summaries emailed after each campaign, backups and validated lead reloads.

Tech Intern, GenAI (Exotel) *Oct 2025 – Jun 2026*

- Built Argus, a voicebot debugging/evaluation platform with Google Chat access, Gemini tool calling, VAD latency analysis, an HMAC-signed recording proxy and Splunk On-Call alerts; cut triage from ~**30 min to under a minute**.
- Hardened LangGraph as DRI for **150K+ calls/month** (incl. BlueDart): 7 s wall-clock timeout/fallback, parallel-tool-call guards, TTS markdown filter and reasoning-leak guard tested on 269 production replies.
- Scaled Pipecat WebSocket handling from 1 to 8 workers behind NGINX least_conn; added Prometheus/Grafana monitoring with EC2 discovery and 5 Ansible roles for automated provisioning.
- Added per-company custom test cases and scenarios to the bot test framework: FastAPI endpoints, Redis storage, a React/TypeScript UI and a scenario-mix algorithm.

PROJECTS

AURA – Agentic Finance AI | *Node.js, Express, Azure OpenAI, MCP, Socket.IO* Live | GitHub | Demo

- Built a 5-agent personal-finance advisor that reached the Google Cloud Agentic AI Day finals (top 3.5% of 57,000+ participants); an orchestrator rates query complexity and runs 2, 3 or 5 agents.
- Ran agents in parallel with 20 s timeouts and Socket.IO streaming; 3–8 s answers on the hackathon dataset.
- Connected 6 finance tools through an MCP JSON-RPC client; added keyword RAG over finance guides, Google OAuth, Helmet and rate limiting on Azure App Service.

The Wedding Home – Event Planning Platform | *Next.js, TypeScript, MongoDB, Vercel* Live | GitHub

- Built a full-stack planning platform for Indian weddings with 61 API routes: role-based family workspaces, per-function guest lists and tokenized no-login RSVP links.
- Added a QR photo/video gallery on Vercel Blob, Resend email, daily cron reminders and OpenStreetMap search.
- Secured it with bcrypt, HMAC-SHA256 tokens, rate limiting and Zod validation; CI runs 11 Vitest suites, typecheck and a Playwright end-to-end journey on every push.

TECHNICAL SKILLS

Languages:	Python, TypeScript, JavaScript, SQL, Java, C++
Frontend:	React, Next.js, Tailwind CSS, HTML, CSS, Socket.IO, Vitest, Playwright
Backend / Data:	FastAPI, Node.js, Express, REST, WebSockets, Apache Camel, Redis, PostgreSQL, MongoDB
Cloud / DevOps:	AWS (EC2, S3, SES), Azure, Docker, NGINX, Ansible, Jenkins, GitHub Actions CI/CD
AI / LLM:	LLM agents, prompt engineering, RAG, evals, voice AI (Pipecat, ASR/TTS), LangGraph, MCP
Customer-facing:	Requirements gathering, POCs and demos, solution scoping, stakeholder management

ACHIEVEMENTS AND PUBLICATIONS

- **Problem solving:** 867 LeetCode problems (165 hard); GeeksforGeeks rank 2 at IIIT Dharwad [LeetCode] [GFG]
- **COMSNETS 2026:** *A Bid-Driven Optimization Framework for Real-Time EV Charging Scheduling* [IEEE Xplore]
- **Overall Winner and People's Choice, Microsoft JS AI Build-a-thon:** Troop Lead, 80+ developers [Blog]
- **Certified:** Microsoft Azure AI Apps & Agents Developer Associate [Verify]; GitHub Agentic AI Developer [Verify]
- **Gold Microsoft Student Ambassador** (highest tier): founded the IIIT Dharwad chapter, 500+ members