Taranveer Anand

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Education

Case Western Reserve University — Cleveland, OH

Bachelor of Science in Computer Science, Minor in FinTech — *May 2026*

- **Relevant Coursework:** Machine Learning, Artificial Intelligence, Computational Perception, Data Science Systems, Algorithms, Operating Systems, Database Systems, Computer Architecture, High Performance Computing, Probability & Statistics.

Experience

Software Engineer Intern — Sept. 2026 – Present

Pulse Imaging

- Reduced calcium-statistics computation time by **93%** (**2,994 ms to 199 ms**) on a 512×512×300 CT volume by consolidating scans and sharing 3D connected-component analysis.
- Corrected lesion-level Agatston scoring; added API authentication and request limits, and fixed packaged backend startup and shutdown failures.

Co-Founder — July 2026 – Present

Heron

- Co-founded a merchant promotion platform offering cash refunds tied to public events, using live prediction-market prices to quote campaigns and hedge potential payouts.
- Built a campaign-pricing calculator translating attendance, refund caps, merchant costs, and hedge costs into quotes, margin projections, and equivalent discount rates.
- Built a **Python/Node.js lead pipeline** covering **1,650+ prospects across 22 states**; outreach achieved approximately a **15% reply rate** and **2.2% close rate**.

Technical Lead — March 2026 – Present

Shipped.one

- Built an **Electron/React desktop platform** for job discovery, resume tailoring, portfolio generation, and ATS submissions through browser automation.
- Implemented posting validation, skill-fit scoring, application review, billing, and live tracking; reached **50 concurrent users within one week**.

Founder — June 2025 – Aug. 2025

Aionix.dev

- Automated lead intake, outreach, and follow-up for U.S. businesses with **n8n** workflows, API/CRM integrations, chatbots, and voice agents.

Database Developer Intern — Sept. 2022 – Dec. 2022

Guru Amardass Private Limited

- Cut processing time by **40%** using Python migrations and SQL optimization; built ERP reporting pipelines.

Projects

Open-Source Contributions | *C, Python, TypeScript, Java* — July 2026 – Present

- Contributed **13 merged fixes across nine projects**, including libgit2, NLTK, TanStack Table, Poetry, and JavaParser; reproduced failures and added regression tests.

HiveMind | *Next.js, FastAPI, LangChain/LangGraph* — Jan. 2026

- Built an AI forecasting simulator with an **LMSR market maker** and concurrent, role-specialized agents that research news and trade; streamed reasoning, trades, and consensus forecasts over **WebSockets**.

SeeCare | *Expo, FastAPI, MongoDB, AssemblyAI* — Sept. – Dec. 2025

- Developed a dementia-support app combining facial recognition, speaker diarization, and searchable conversation summaries; implemented **wake-word detection**, client-side processing, and privacy controls.

Awards

Dean's High Honors — Case Western Reserve University, **6 of 7 semesters**.
Best Senior Project, Winter 2025 — SeeCare, Case Western Reserve University.
Three-Time Hackathon Winner (2025) — BitLens, a repository documentation tool (OSU Lovable); PosePal, an AI photo-discovery app (CaseHacks).

Technical Skills

Languages: Python, TypeScript, JavaScript, SQL, C/C++, Java, Bash
Frameworks: React, Next.js, Electron, FastAPI, LangChain/LangGraph
Databases: PostgreSQL, Redis, MongoDB, Supabase
Developer Tools: Git, Docker, AWS, Azure, Linux, GitHub Actions, n8n