

HUNAIN ADHIKARI

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EXPERIENCE

Software Developer | Enzuzo Inc. | Waterloo, ON, Canada | November 2025 - December 2025

- Refactored TypeScript consent logic for script loading via internal RESTful APIs, cutting regression defects by 30% in a privacy-compliance SaaS platform.
- Cut incorrect script executions by 80% in production by diagnosing and fixing a TypeScript SSR/CSR logic error in the consent-management system.
- Validated consent fixes with TypeScript unit and integration tests; supported Docker deployments and Git-based releases.

Instructor Assistant | Wilfrid Laurier University | Waterloo, ON, Canada | September 2023 - April 2024

- Standardized grading rubrics for HTML5, CSS, and JavaScript assignments, ensuring consistent evaluation quality across 100+ CP202 students.
- Graded assignments, quizzes, midterms, and finals in ARM assembly programming for 450+ students in CP216 Microprocessors.

Software Engineer | Barclays | Pune, MH, India | August 2021 - August 2023

- Cut ETL batch processing time by 33% on Ab Initio pipelines handling \$4B+ in co-branded credit card transactions for partners including GAP and Xbox.
- Developed Ab Initio ETL plans and graphs with Oracle SQL and TWS, processing 5M+ daily records across partner data pipelines.
- Migrated legacy Hive workflows to Ab Initio and Oracle SQL, reducing pipeline latency to under 1 hour for downstream processing.
- Engineered Jenkins-based automated testing for Ab Initio ETL pipelines, enabling continuous integration across 10+ deployments per month with TWS scheduling.

EDUCATION

Master of Applied Computing | Wilfrid Laurier University | Waterloo, ON, Canada

Bachelor of Technology in Information Technology | Mumbai University | Mumbai, India

PROJECTS

[JobHunter](#) | Personal Project | June 2026 - Present

- Built an automated data pipeline using AWS Lambda, Supabase (PostgreSQL), and MiniMax-M3 LLM to scrape, score, and rank 25,000+ records against a custom rubric all on a free-tier architecture
- Implemented semantic search with OpenAI embeddings (text-embedding-3-small), pgvector, and cosine similarity via Postgres RPC functions, replacing keyword matching with 256-dimensional vector search
- Deployed a full-stack Next.js app with server-side rendering, debounced filters, LLM-powered classification, and a retry-resilient Supabase query layer on Vercel

[MirrorAgent](#) | Personal Project | May 2026 - Present

- Built a self-hostable macOS AI focus assistant using Electron, React, and TypeScript with Claude Vision-based activity classification and automatic app/tab blocking.
- Engineered real-time monitoring using macOS Accessibility APIs, Chrome extensions, WebSockets, and local focus scoring.
- Shipped an Electron desktop platform with onboarding, Express dashboard, Claude Haiku inference, and ~85% lower API costs.

WorkVibe | Wilfrid Laurier University | September 2024 - December 2024

- Developed a Python NLP pipeline using VADER, TextBlob, RedditAPI, and SQL, processing 289K+ posts into 62K cleaned records.
- Quantified employee sentiment across 470 companies through Python- and SQL-based cleaning, scoring, and aggregation pipelines.
- Benchmarked sentiment trends against Glassdoor/Indeed ratings with approximately 90% correlation across company-level signals.

AWARDS & HONORS

[Lex Harvester](#) (EvenUp x OpenClaw Hackathon Runner-up) | EvenUp

- Built a legal research agent using FastAPI, PostgreSQL, and pgvector, indexing 8,299 personal-injury statutes across 7 jurisdictions.
- Engineered a hybrid semantic and keyword retrieval pipeline using MiniLM embeddings over 40K+ statutory chunks, improving search relevance.
- Integrated CourtListener API with Claude Opus prompting to return source-linked case law and reduce unsupported citations.

Autonomous Navigation Agent (Amazon Robotics Day Winner) | Amazon Robotics

- Engineered Python pathfinding and collision-avoidance algorithms, achieving a 94%+ task completion rate in autonomous pod delivery simulations.
- Led development of a first-place autonomous transport agent, outperforming 15+ competing teams in Amazon Robotics Day.

SKILLS & CERTIFICATIONS

Skills: TypeScript, JavaScript, Python, Next.js, React, Node.js, FastAPI, PostgreSQL, Ab Initio, Docker, AWS, Jenkins, Git

Certifications: AWS Certified Cloud Practitioner (CLF-C02)