Bhavesh Gavali

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EDUCATION

Algoma University, ON   - Bachelor of Science in Computer Science   Jan 2023 - Dec 2025

EXPERIENCE

Full Stack Developer Intern @ **Tutormates**   Toronto, ON | Feb 2024 - June 2024
- Migrated WordPress systems to modern MERN stack
- Built ESL app features using **Next.js, TypeScript, Supabase**

CAPSTONE PROJECTS

Shipyard | Vercel-like CI/CD Deployment   🔗 Github | 🌐 Visit

- Developed a full-stack deployment platform using TypeScript , Node.js, Express, and **AWS** services like **ECS , ECR** and **S3**, following a **microservices** architecture.
- Integrated with GitHub to enable on-demand container builds, automating deployments and showcasing skills in DevOps and cloud infrastructure.Wrote **unit** and integration **tests** using **Jest** to ensure code reliability.
- Built a CI/CD pipeline using Docker **Containerization** and AWS ECS, delivering real-time build logs and zero-downtime deployments for React and Vite apps.
- Implemented real-time deployment logging and build tracking using Redis pub/sub and WebSockets, enhancing user experience and visibility during deployment.

Github Issues Solver Agent

- Built an autonomous AI agent using LangGraph, OpenAI GPT-4o, and the GitHub API to automatically analyze and resolve issues — enhancing productivity in modern software development workflows.
- Designed a structured agent workflow (plan → action → observation → output) to simulate human-like reasoning for debugging, code navigation, and automated pull request creation.
- Implemented function-based tooling such as readFile, editFile, and submitPR, allowing the agent to interact directly with the codebase in a containerized and secure environment using Docker.
- Integrated with GitHub's **MCP** and **REST API**s for repository metadata access, issue tracking,reflecting strong experience in API integration, automation, and agent-driven systems.

AI Trade Agent | Crypto Arbitrage Bot   🔗 Github

- Developed an AI-powered trading agentic workflow using OpenAI GPT-4o and Node.js to identify and simulate crypto arbitrage opportunities across multiple exchanges like Binance and Coinbase.
- Built a modular, event-driven architecture with helper functions (buyToken, getTokenPrice, etc.), demonstrating strong backend engineering and real-time API integration skills.
- Integrated risk management logic with dynamic wallet tracking and trade limits.

Personal Portfolio Site - React, **TypeScript**, TailwindCSS, Supabase - PostgreSQL, Auth,   🌐 Visit

SKILLS

Languages:	**JavaScript, TypeScript, SQL, Node.js**
Infrastructure:	**Docker, AWS (ECS/S3/Fargate), Redis**
Frontend:	**React, TailwindCSS, shadcn/ui**
Tools:	**Git, CI/CD, REST APIs, Agile, Microservices**
Learning:	**Kubernetes, Monitoring, Load Balancing**