

Pravesh Mansharamani

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EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Mathematics, Minor in Computer Science

Sept. 2022 – April 2026

- Courses: Data Structures & Algorithms, Object Oriented Programming, Linear Algebra, Probability, Calculus

SKILLS

Languages: JavaScript, TypeScript, Python, Rust, C++, C, C#, SQL, HTML, CSS, Bash, R

Libraries/Frameworks: React.js, Next.js, Node.js, Flask, Django, LangChain, Tailwind CSS, Numpy, Pytorch

Databases/Cloud: PostgreSQL, MongoDB, SQL Server, Vercel, Redis, Docker, Google Cloud, AWS, Kubernetes

EXPERIENCE

Nethermind

May 2024 – Aug. 2024

Software Engineering Intern

London, UK

- Implemented a ML pipeline detecting **12+** vulnerability types for EVM based smart contracts with **97%** precision
- Shipped an AI Slack bot for internship FAQs & project recommendations by implementing **RAG** using LangChain, a Pinecone vector database, Python & Claude Sonnet 3.5, resulting in **500+ hours** saved annually
- Built a SDK accelerating internal AI agent development time by **7x**, saving **200+ hours** of productive time
- Deployed **CI/CD** pipeline for **E2E testing**, reducing deployment time by **50%** & catching **95%** of bugs pre-production, using GitHub Actions, Docker, and Jest

Rivvi

May 2023 – Aug. 2023

Software Engineering Intern

Toronto, ON

- Developed an AI Chatbot to answer all the HR & payroll related queries using Python, React, Pinecone vector db, Amazon Web Services (AWS) & GPT-3.5 reducing query resolution time by **50%**
- Optimized a Next.js landing page resulted in **20%** increase in user sign ups and driving **1000+** conversions
- Created a Flask HTTP server with exclusive API endpoints for premium users boosting API revenue by **30%**
- Ensured **99%** platform uptime by implementing **4+** Python test scripts with **90%** coverage using unittest library
- Crafted a technical documentation, reducing knowledge transfer gaps & speeding up developer onboarding by **2x**

Flowise AI (Y-Combinator S23)

May 2023 – July 2023

Software Engineering Intern

San Francisco, CA

- Contributed **2** features, Figma loader and Latex text splitter, using TypeScript & Langchain for **60,000+** users
- Improved backend application ramp-up time by **25%** through multi-threading and parallelization techniques

PROJECTS

Hedera Habibis ☞ | Python, Hedra SDK & REST API, Tweepy, AWS

Feb. 2024 – March 2024

- Won the Hedera sponsor bounty of **\$2000** and ranked among top **15** projects overall at ETH Denver
- Created a bot to tweet engaging updates on noteworthy transactions and accounts holding **\$10,000** or more

Lifestyle Nutrition ☞ | React, Express, PostgreSQL, Redis, Tailwind CSS, Docker, AWS

Sept. 2023 – Dec. 2023

- Developed an e-commerce platform for my father's protein business that has over **6000+** orders till date
- Implemented **Docker** containerization & **AWS EC2** to fortify platform scalability, ensuring seamless growth

Certuary ☞ | Python, React, Tailwind CSS, FastAPI

Jan. 2023 – Feb. 2023

- Built a digital certification with a tamper-proof system embedding **10,000 NFTs** on the blockchain via **IPFS**
- Enabled verification through Estuary's API, enhancing authenticity confirmation and processing **5000+** certificates

LEADERSHIP

Waterloo Blockchain

Nov. 2022 – Present

Director of Technology & Events

Waterloo, ON

- Innovated **\$MrGoose** ☞ token on **Solana**, including crafting comprehensive tokenomics, and designed a mobile app for airdrops and merch purchases, now with **250k** tokens in circulation
- Hosted **20+** events, including a Hacker House with **12** hackers from top universities like UC Berkeley & Stanford