Arian Ahmadinejad

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EDUCATION

Website: arian.gg

McMaster University

Sept 2021 — Apr 2026

Bachelor of Computer Science | GPA: 4.0

- Relevant courses on Data Structure and Algorithms, Software Development Principles, Formal logic and Discrete Math
- Provost Honour Roll and Dean's honour roll for achieving a GPA of 4.0

EXPERIENCE

Software Engineering / Machine Learning Intern

May 2023 - Aug 2024

Bell Canada | Python, VertexAl(GCP), LLM, Next.js, React, FastAPI, Big Query, PostgreSQL, Cloud Run

Toronto, ON

- Led planning and implementation of a fullstack generative AI app, reducing training costs by 65% through simulating a customer.
- Collaborated with a team of 5 to scale the app for 5,000+ agents, leveraging Next.js, FastAPI, and PostgreSQL.
- Improved agent's performance by 30%, utilizing Gemini's tool calling and dynamic rubrics to provide personalized feedback
- Increased the realism of scenarios through prompt engineering and fine tuning the LLM's weights

Teaching Assistant

June 2022 — Present

McMaster University | Python, Bash, PostgreSQL, Discord API

Hamilton, ON

- Optimized grading process for 1,000+ course materials (labs, assignments, exams) by developing Python and Bash scripts
- Taught Python, C, Bash, and Linux fundamentals to 100+ students through tutorials and labs

Technical VP

Jul 2022 — Present

DeltaHacks | Next.js, TRPC, Prisma, Netlify, Tailwind, NextAuth.js, Typeform, PostgreSQL

Hamilton, ON

- Managed 7 developers building a stack ranking based judging platform, streamlining 30+ judges' evaluation of 100+ projects
- Integrated TRPC, Prisma, and Netlify functions stack which scaled the backend to handle 10,000+ requests throughout the year
- Developed a graph-based matchmaking tool that paired over 500 hackers into compatible teams based on interest and skillset

PROJECTS

Arian.gg | Personal website

Next.js, React, Tailwind, Python, GPT-40, LLM, Sanity.io

- Designed and developed a minimalistic and responsive personal website using React to showcase my projects and skills
- Created a blog using Sanity.io to share thoughts and technical deep dives
- Integrated a digital persona, leveraging GPT-40 to enable unique and innovative viewer interactions

Bluey | Waitlist queue management discord bot

Python, PostgreSQL, SQLalchemy, Py-cord

- · Developed a discord bot to track 5000+ users' activity to foster an active community and fair distribution of waitlist invites
- Employed a PostgreSQL database to store user data, queue status and to provide a realtime leaderboard for transparency

HACKATHONS

Scuba - Declutter your email with ai agents | HackMIT

Python, LlamaIndex, Langchain

- Developed 5 LLM agents to automate emails using LlamaIndex and the ReAct reasoning method
- Created a RAG model based on past emails to allow extensive personalization and accuracy

Dash - All in one dashboard for digital life | HacktheNorth

GCP, Next.js, React, Typescript, Tailwind, Prisma ORM, CockroachDB

- Integrated with Yahoo, GitHub and Google APIs such as **Gmail, Calendar** to provide realtime updates
- Implemented a custom grid component in React to allow maximum user customizability

SKILLS

Languages Python, Web Development (JavaScript, Typescript, HTML, CSS), Java, C++, C, Rust, Bash, Haskell **Frameworks** React, Next.js, Tailwind, Django, FastAPI

Tools Linux, Git, Cloud Services (Google Cloud Platform, AWS), Relational Databases (SQL, PostgreSQL)

Design Prototype design with Figma, Photoshop