Arian Ahmadinejad

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EDUCATION

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

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

WORK EXPERIENCE

Software Engineering / Machine Learning Intern   **May 2023 — Present**
Bell Canada | Python, VertexAI(GCP), LLM, React, FastAPI, Big Query, Cloud Run   *Toronto, ON*
- Created a **full stack generative AI** app based on **Google Gemini** that improved and lowered the cost of training agents by **65** percent
- Collaborated with a team of **5** to scale the project across the organization and to be used by **5,000+** agents
- Improved the **LLM** model performance by **prompt tuning** and providing access to internal data through **RAG** techniques

Teaching Assistant   **June 2022 — May 2023**
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

EXTRACURRICULAR EXPERIENCE

Technical VP / Technical Executive   **May 2024 — Present / Jul 2022 — May 2024**
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

Technical Manager   **May 2022 — Present**
McMaster Computer Science Society | React, Linux, Docker, DevOps   *Hamilton, ON*
- Streamlined **DevOps** infrastructures used by **200+** executive and general members
- Achieved **80%** more website traffic by implementing a minimal and intuitive design in **React**
- Saved **$250/year** by implementing a **self-hosted** Bitwarden password management solution

PROJECTS

Arian.gg | Personal website
Next.js, React, Tailwind, Python, Google Gemini, 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 **Google Gemini 1.5** 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

Dash - All in one dashboard for digital life
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

Consensus - Alternative measure of product quality
Cohere AI, Python, Scikit-learn, Numpy, Scrapy
- Achieved better product quality measure by scraping **20,000+** Amazon reviews and using **NLP** to generate 10 key points