

Arshia Zakeri Rad

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EXPERIENCE

Software Engineer Intern

February 2024 - Present

Vision AI

Remote

- **Contributed** to the FindThatEmail project, an **RAG** AI assistant for email finding with prompts.
- **Implemented** a **PDF accessibility** with **Next.js** and **TypeScript** to assess **WCAG** compliance, enhancing accessibility for users with disabilities.
- **Collaborated**, with a team of **8** developers to develop WCAG PDF Analysis with **ML embedding** techniques.

Software Engineer

July 2023 - January 2024

Versall Inc.

Toronto, ON

- **Leading** a technology agency, creating **scalable** solutions, leveraging ML techniques such as clustering customers for enhanced user experiences, collaborating with a network of over **10** companies.
- **Collaborated**, recruited and worked with a team of **12** developers/designers to develop front-end and back-end applications using **Next.js** and **Express.js**.
- **Enhanced** back-end efficiency by reducing server requests by **35%**, optimizing overall system performance.

DevOps Intern

August 2022 - March 2023

DevOps Solutions Inc.

Toronto, ON

- **Implemented** **CI/CD** pipelines, boosting efficiency by **20%**.
- **Managed** cloud infrastructure for **30%** scalability and **99.9%** availability.
- **Collaborated** across teams, reducing system downtime by **15%**.

PROJECTS

IntelliCourse | OpenAI, RAG, NextJs, PostgreSQL, JavaScript, Prisma ORM, Google Cloud | **inteli-course.vercel**

- **Delveloped** IntelliCourse, an AI-driven platform for **personalized learning** aimed at achieving United Nations Goal 4 of Quality Education for all.
- **Integrated** ML-based **embeddings** to **optimize** AI tutors and quizzes, improving **accessibility** for dyslexic learners across 50+ courses.

SkillSync | NextJs, PostgreSQL, JavaScript, Prisma | **skillsync-three.vercel.app**

- **Secured 1st place in the BFN Challenge**, distinguishing Skill Sync as a platform for enhancing community engagement through volunteer matching, utilizing advanced Cohere AI technology for personalized opportunity searches.
- **Achieved top 5 ranking at Cohere's competition and clinched 1st place at GoDaddy's challenge**, highlighting Skill Sync's innovative use of AI for connecting volunteers with skill-enhancing opportunities.

MyCMS | Next.js, React.js, ExpressJs, MongoDB, RSA Encryption, Docker, JavaScript, Sass

- **Developed** a CMS using Node.js and **Next.js** for efficient content creation, management, and publication.
- Increased customer acquisition by **23%**, generating **\$10,000+** annually.
- Integrated **Caddy** web server as a reverse proxy with HTTPS support for secure and reliable access.

EDUCATION

Toronto Metropolitan University(formerly Ryerson)

September 2023 - April 2027

Bachelor's, Computer Science - minoring Mathematics

GPA 4.13 / 4.33

TECHNICAL SKILLS

Languages: C, C++, Java, JavaScript, TypeScript, C#, Python, HTML, CSS, Sass, SQL, R

Frameworks & Libraries: Numpy, Pandas, Matplotlib, PyTorch, Tensorflow, NextJs, NodeJS, React, Flutter, Express

Systems & Databases: PostgreSQL, MongoDB, Firebase, Jira, Git, S3, GCP, Linux, Unix

CERTIFICATIONS AND ACTIVITIES

2nd Place in Google GDSC hackathon with Orator.AI

Google GDSC

Introducing Generative AI with AWS

Udacity, Amazon

Supervised Machine Learning: Regression and Classification

DeepLearning.AI, Stanford University