Arshia Zakeri Rad

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TECHNICAL SKILLS

Languages: C, C++, Java, JavaScript, TypeScript, C#, Python, HTML, CSS, Sass, SQL, R
Frameworks & Libraries: NextJs, NodeJS, Flask, RabbitMQ, jquery, GraphQL, Redis, React, Flutter, Express, NestJs, Vite, Numpy, Pandas, Matplotlib, PyTorch, Tensorflow
Systems & Databases: PostgreSQL, MongoDB, Firebase, Jira, Git, S3, GCP, Linux, Unix

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*
- **Lead** 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

InteliCourse | OpenAI, RAG, NextJs, PostgreSQL, JavaScript, Prisma, 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 - Present**
Bachelor's, Computer Science - minoring Mathematics

ACTIVITIES AND CERTIFICATIONS

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**