Arshia Zakeri Rad

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EXPERIENCE

Production Engineer Intern   **June 2024 - Present**
Meta & Major League Hacking   *Toronto, ON*
- **Developed** and **maintained** CI/CD pipelines, tests, and deployments, **improving efficiency by 30%**.
- **Implemented** and **monitored** microservices and serverless functions, enhancing system scalability and **reducing downtime by 20%**.
- **Contributed** to **MLH open-source projects** such as **FastAPI**, improving project functionality and performance.

Software Engineer Intern   **February 2024 - April 2024**
Vision AI   *Toronto, ON*
- **Contributed** to FindThatEmail, an **RAG AI assistant**, increasing user engagement by **25%**.
- **Implemented** PDF accessibility with **NextJs** and **TypeScript**, improving WCAG compliance by **40%**.
- **Collaborated** with **8 developers** on WCAG PDF Analysis using **ML embedding**, reducing compliance check time by **50%**.

Co-Founder and Software Engineer   **July 2023 - January 2024**
Versall Inc.   *Toronto, ON*
- **Led** a technology agency, creating **scalable ML solutions**, boosting user retention by **30%**.
- **Managed** a **team of 12** to develop front-end/back-end apps with NextJs, Angular, and ExpressJs, **reducing development time by 20%**.
- **Enhanced** back-end efficiency, **cutting server requests by 35%** and **operational costs by 15%**.

PROJECTS

IntelliCourse
- **Tech Stack**: OpenAI, RAG, NextJs, PostgreSQL, JavaScript, Prisma, Google Cloud
- **Developed** 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
- **Tech Stack**: NextJs, PostgreSQL, JavaScript, Prisma
- **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
- **Tech Stack**: 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)
Bachelor's in Computer Science, Minor in 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**