Vraj Shah

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EDUCATION

Bachelors in Computer Science - Software Engineering Sep 2022 – Apr 2026
University of Toronto *Toronto, ON*

- **Relevant Coursework**: Data Structures and Algorithms, Introduction to Software Engineering, Introduction to ML, Introduction to AI, Introduction to Databases
- **Extracurricular Activities**: Placed Top 4 in UofT Quant Case Comp as Lead Developer, Varsity Volleyball, Varsity Cricket, Technology Director at Association of Math and Computer Science Students @ UTSC

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, C#, TypeScript, HTML5, CSS3, SQL, Solidity, R

Frameworks: React, React-native, Next, Node, Express, Flask, Kotlin, Angular, Flutter, MongoDB, Firebase

Tools & Technologies: Docker, Kubernetes, Git, Bash, Google Cloud, Azure Cloud, Azure OpenAI, Gemini

Agile Methodology: Scrum process, Iterative Software Design, SOLID Principles, Design Patterns, JIRA Tracking

WORK EXPERIENCE

Software Engineer Jan 2024 - Sep 2024
Ontario Government *North York, ON*

- Automated AI initiative detection with a tool using **Python** and **PyTorch**, cutting redundant projects by **25%**
- Developed a tool for document summaries with **Langchain** and **OpenAI**, reducing **processing time by 40%**
- Created an AI mental health tool during **Microsoft** Hackathon using Python, Langchain as development tools and **Azure Cloud** to **deploy** onto the **cloud**, improving employee mental health engagement by **50%**

Full-Stack Software Developer Jun 2024 - Aug 2024
Emoot *Vancouver, British Columbia*

- Developed key web pages for the Startersclub campaign using **HTML**, **CSS**, and **JavaScript**, resulting in a **23%** increase in **user engagement.**
- Implemented responsive UI/UX features, improving overall website performance and user satisfaction by **18%.**
- Integrated **Firebase database** for seamless **data management**, enhancing **efficiency by 32%**

AI Software Engineer May 2024 - Jul 2024
Radical AI *New York City, New York*

- Developed open source **AI** agent Rex with **Google Cloud** and **Gemini**, creating a personalized study plan
- Implemented study features using **React** and **Firebase**, boosting study efficiency of over **100 users** by **30%**
- Fine-tuned AI models for Rex to provide interactive educational tools and support, helping over **25% of users**

Co-Founder Nov 2023 - Present
Clubby *Toronto, ON*

- Developed a centralized platform for clubs using **Flutter** and **Dart**, streamlining marketing and club management
- Recruited and led a team of **5** engineers, accelerating the **development** and **deployment** of app features
- Implemented user-friendly features for event management, member communication, and product marketing, enhancing overall club engagement, **increasing user productivity by 35%**

PROJECTS

StockWise - AI Stock Prediction App | *Python, Keras, Pandas, Jupyter, Streamlit*

- **Engineered Python-based** tool employing **deep learning models** for stock price prediction
- Learned about **LSTM's** and used **neural networks** to **train** and **test data**, and make accurate predictions
- Attained **55%** accuracy rates by optimizing deep learning techniques large dataset provided from Yahoo Finance

Skill Match | *React.js, Node.js, MongoDB, Python, Azure*

- Developed a job search platform using **React**, **Node.js**, and **MongoDB** with over **500+** job postings filtered by programming expertise, improving search relevance by **30%**
- **Designed dynamic** skill filters for **personalized** job results, enhancing user search efficiency by **40%**
- Developing **AI-powered tools** to **optimize** resumes and applications, increasing user success rates by **20%**