

Vraj Shah

| vrajr.shah@mail.utoronto.ca | www.linkedin.com/in/vraj-shah/ | www.github.com/Vraj2004 | 437-265-8356

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:** Varsity Volleyball, Varsity Cricket, Vice President of Technology/Outreach - Indian Student Association, 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: Linux, Docker, Kubernetes, Git, Bash, Google Cloud, Azure Cloud, Azure OpenAI, Gemini

Agile Methodology: Scrum process, Iterative Software Design, Design Patterns, CI/CD Pipeline, Automated Testing

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 OpenAI** 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 modern web pages for a funding campaign using **HTML**, **CSS**, and **TypeScript**, 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

BlockTix | *React.js, Node.js, Solidity, HardHat, Ether.js, MongoDB*

- Developed a **blockchain-based** ticketing platform using **JavaScript** and **Solidity**, increasing security by **40%**
- Built a **React front end** with MetaMask integration, providing seamless access for over **200** users
- Improved fraud prevention for event organizers, boosting user confidence by **25%** through transparent transactions

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%**