

# Bhavin Virani

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## Skills & Interests

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**Languages:** Javascript, Python, Java, Typescript, Golang, C#

**Tools & Technologies:** Node.js, Express.js, React.js, Django, Flask, Next.js, AWS, Git, Docker, Kafka

**Databases:** SQL, MySQL, PostgreSQL, MongoDB, Redis

**Other:** Data Structures, CI/CD, Shell/Linux, Agile Development, OOP, Rest APIs

## Professional Experience

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### Freelance Developer

Kitchener, Canada

Full-stack Developer

Jan 2025 – Present

- Developing a full-stack application for **student data management**, implementing secure authentication, efficient data handling, and a user-friendly interface to support over 500 expected daily users.

### PragetX Technologies

Ahmedabad, India

Software Development Engineer

May 2023 – Feb 2024

- **Designed and deployed** a scalable backend server for a fantasy game using Node.js, Express, and AWS, supporting over **1,200 daily active** users with 99.9% uptime.
- Engineered a **role-based authentication** system which empowered administrators to manage user access in real-time, reducing unauthorized access by 40% and strengthening overall **system security**.
- **Optimized PostgreSQL queries** for high-traffic APIs, improving system performance by 30% and reducing latency.

Software Development Intern

Jan 2023 – Apr 2023

- Developed features for a CRM system, integrating third-party **APIs** and libraries to enhance product functionality and improve user data management efficiency.
- Collaborated with senior engineers to troubleshoot and debug complex software issues.

### BrainyBeam Technologies

Ahmedabad, India

Data science Intern

Jun 2022 – Jul 2022

- Created a product recommendation system using sentiment analysis and collaborative filtering, improving recommendation accuracy by 17% using Python and machine learning techniques.

## Personal Projects

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### Room-Mate ([Github](#))

Technologies: Node.js, AWS, Docker, Bootstrap, GitHub Actions, CI/CD

- Built a roommate finder platform with secure JWT authentication, enabling user search, request management and chat features. Integrated **AWS services** (S3, CloudFront, ECS, RDS) and **CI/CD** pipelines for deployment.

### Gecokoin ([Github](#)) ([Live](#))

Technologies: React.js, Firebase, Crypto API, Material UI, Chart.js, Axios

- Designed a cryptocurrency web app with **real-time price visualization** over 500 cryptocurrencies, integrating **Google/GitHub authentication**, Firebase for user data storage, and Coingecko API for live data retrieval.

### Finance Management (AI) ([Github](#)) ([Live](#))

Technologies: Next.js, Prisma, Google Gemini, Clerk

- Developed an **AI-powered** wealth management web app for tracking transactions via receipt uploads, setting budgets, and generating personalized financial reports.

## Certification & Training

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**AWS Cloud Practitioner (AWS)** - Gained foundational knowledge of AWS services, architecture, and deployment.

**SQL for Data Science** (University of California) - Learned advanced SQL methods for querying and analyzing datasets.

**Competitive Programming** (Coding Ninjas) - Enhanced algorithmic problem-solving and data structure expertise.

## Education

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### Lakehead University

MS, Computer Science

Thunder Bay, Canada

Sep 2023 – Sep 2024

### Gandhinagar Institute of Technologies

Bachelor of Information & Technology

Gandhinagar, India

Jul 2019 – May 2023