riya.patel2430@gmail.com
+1 902-993-0161

RIYA PATEL

LinkedIn | GitHub
Toronto, Canada

SKILLS

Programming language	Python, Java, TypeScript, JavaScript.
Web Technologies	React.js, Node.js.
API Testing & Integration	REST, FastAPI.
Database Management	Postman, SQL, MySQL, NoSQL.
Cloud Infrastructure	AWS, Firestore, GCP.
Methodologies	Agile, Scrum, Continuous Integration, Requirements Gathering.

EMPLOYMENT

Full Stack Developer (Freelance)   January/2025 - Present
BillSync   Toronto, Canada
- **Engineered a full-stack web application** for managing shared expenses, implementing complex custom expense logic to support fractional splitting and percentage-based distribution of individual items using **Python/Django and React.js/TypeScript**.
- Achieved this by building a robust **RESTful API with FastAPI** for faster business logic calculations and **reduced revert time** to up to **50%**.
- **SQLAlchemy ORM** streamlined database operations for faster SQL queries execution **reducing overhead by 10%**.
- **Utilized Pydantic to enforce strict data validation**, ensuring clean and well-structured API requests and responses, which led to a **20% improvement in API reliability**.
- Designed **responsive UI** with TypeScript and modern CSS for Cross-Platform Responsiveness.
- Implemented **Firestore database** for real-time updates in all the users related to the expense and used for user login/ Signup using firebase Authentication with options of signing up or logging using Google or just email.

IT Analyst   January/2024 - May/2024
Scotia Investments   Halifax, Canada
- **Implemented a system entry log application** using **Microsoft Power Apps** to replace a manual, paper-based system, **reducing human data entry errors by an estimated 90%** and improving tracking accuracy for Scotia Recycling.
- **Automated data collection workflows** to streamline internal processes and reduce manual effort for recycling operations. This involved using **Power Automate** to capture recycling details, including images of recycled items, and centrally storing all data in a **SharePoint** database.
- Utilized **Power Automate Flow** to automatically convert the above uploaded image from various formats (such as JPG and HEIC/HEVC) into a Base64 string **reducing the size to 60%** of original maintaining the same quality **utilizing 30% less space**.
- Redesigned and updated the Minas Energy website, modernizing its structure and content to align with current industry trends. Migrated from a local server **to Azure**, improving scalability, security, and performance.

Software Developer   January/2022 – November/2022
Parikh Enterprise Pvt Ltd   Jhagadia, India
- **Inquiry Management System (Django, FastAPI, React, PostgreSQL, JavaScript)**
- Developed **REST API endpoints with Django and FastAPI** that improved frontend integration efficiency for **inquiry and categories of that inquiry** in Inquiry Form.
- Improved Django efficiency in handling department inquiries through **ORM optimizations**.
- Designed efficient **PostgreSQL** schemas with normalized tables and constraints to ensure **data integrity and ACID** Properties under heavy transactional loads.
- Created **reusable React components** following component-based architecture principles for **faster development purpose** and **less code redundancy**.
- Troubleshot and **resolved Docker configuration issues** during deployment for less image **sizing saving bootup time** and gained experience **testing asynchronous API** endpoints and React components for **code smells**.

TECHNICAL EXPERIENCE

Hurricane Fiona Power Restoration Path Optimization | Course: Software Development Concepts   Oct/2023 - Dec/2023
- Developed an optimized path-planning system for Nova Scotia Power to restore electric poles damaged by Hurricane Fiona.
- Implemented **Dijkstra's algorithm** and **Minimum Spanning Tree** (MST) using **Prim's algorithm** to determine the shortest and most efficient repair routes, minimizing fuel consumption, equipment usage, and redundant travel.
  Framework: **Core Java, DSA**.

Brownie Point | Course: Advance Software Development Concepts   May/2023 – September/2023
- Android application implemented with best practices like SOLID principals and Code Smells that **reduced loading times by 25%,** enabling a more seamless experience for students accessing the course materials.
- Executed automated regression tests using JUnit, ensuring consistent performance and cutting testing cycle time by **40%** across updates.
  Framework: **React JS, Java Spring Boot**.

CineVerse | Course: Advance Web Technologies   January/2023 - April/2023
- Innovated a Movie Ticket Booking System featuring 'Movie Description' and 'Party Module' functionalities, enhancing the booking experience and driving a **20%** increase in repeat bookings.
  Framework: **MERN.**

Weather Alert App | Course: Advance Cloud Computing   September/2022 – December/2023
- Architected a scalable weather alert system on AWS, integrating services like SQS, SNS, and Lambda; increased user engagement **by 25%** and dropped **alert delivery latency** by **50%.**
- Conducted integration testing across AWS services (Lambda, EC2, API Gateway, S3) to validate seamless data flow, ensuring **100% alert delivery** under peak conditions.
  Framework: **Lambda, EC2, API Gateway, S3, SNS.**

EDUCATION

Masters in Applied Computer Science   September/2022 – May/2024
Dalhousie University (Halifax, Nova Scotia, Canada)   GPA: 3.78/4.3