

SKILLS

Programming language	Python, Java, TypeScript, JavaScript.
Web Technologies	React.js, Node.js, FastAPI, Django
API Testing & Integration	REST, Postman, Pytest.
Database Management	SQL, MySQL, NoSQL.
Cloud Infrastructure	AWS, Firestore, GCP.
Methodologies	Agile, Scrum, SDLC, CI/CD, Requirements Gathering.
Soft Skills	Listening, Communication, Teamwork/Collaboration, Adaptability, Attention to Detail.

EMPLOYMENT

IT Analyst Scotia Investments	January/2024 - May/2024 Halifax, Canada
<ul style="list-style-type: none">- 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 and gathered requirements 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 <u>Minas Energy</u> 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 Parikh Enterprise Pvt Ltd	January/2022 – November/2022 Jhagadia, India
<ul style="list-style-type: none">- Built Django REST framework (DRF) to manage inquiries and their categories in the Inquiry Form, improving frontend integration and data handling.- Optimized database queries, improving response times and allowing the system to manage a higher volume of department inquiries with the same infrastructure.- 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.- Troubleshoot 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. Used Pytest for unit test cases automation.	

TECHNICAL EXPERIENCE

BillSync (Freelance)	January/2025 - Present
<ul style="list-style-type: none">- 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 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%. Tested APIs using Postman.- Optimized database queries using SQLAlchemy ORM, implementing eager loading and selective filtering, which reduced database calls and improved data retrieval performance.- Utilized Pydantic to enforce strict data validation, ensuring clean and well-structured API requests and responses, which led to a 2% improvement in API reliability and 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.	
Hurricane Fiona Power Restoration Path Optimization Course: Software Development Concepts	Oct/2023 - Dec/2023
<ul style="list-style-type: none">- Developed an optimized path-planning system for Nova Scotia Power to restore electric poles damaged by Hurricane Fiona.- Implemented 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
<ul style="list-style-type: none">- Android application implemented with best practices like SOLID principles 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
<ul style="list-style-type: none">- Innovated a Movie Ticket Booking System featuring 'Movie Description', 'FAQS' and 'Party Module' functionalities, enhancing the booking experience and driving a 20% increase in repeat bookings. Framework: MERN, JIRA .	
Weather Alert App Course: Advance Cloud Computing	September/2022 – December/2023
<ul style="list-style-type: none">- 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 Dalhousie University (Halifax, Nova Scotia, Canada)	September/2022 – May/2024 GPA: 3.78/4.3
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