

Parth Gala

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TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, TypeScript, PHP, Java, C, HTML, C#

Frameworks: Flask, Django, Node.js, Next.js, ReactJS, AngularJS, Vue.js, TailwindCSS

Databases: MySQL, MS SQL, PostgreSQL, MongoDB, Snowflake

Tools & Platforms: MS Azure, AWS, Docker, Jupyter Notebooks, Tableau, CI/CD Pipelines, SQL Server Reporting Services, Power BI, Power Automate, Git

Libraries: Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch, Matplotlib, OpenCV, NLTK

EXPERIENCE

Full Stack Software Developer Co-op

Sep 2023 - Aug 2024

Ground Effects Ltd

Windsor, ON

- Transformed legacy PHP systems into responsive, full-stack applications with TypeScript, Next.js front-ends, and secure, scalable Python, Node.js backend services improving usability for multiple teams and cutting support tickets by over 30%
- Developed and maintained large-scale data pipelines in MS SQL by designing optimized stored procedures and ETL workflows that powered analytics and reporting across 3+ departments
- Deployed and maintained high-performance, fault-tolerant RESTful APIs to connect internal applications used by 300+ employees, enabling smooth data sharing between manufacturing, logistics, and finance systems
- Automated repetitive backend and deployment workflows through CI/CD pipelines, Power Automate scripts, and cloud deployments on AWS and Azure, saving 5+ hours of manual effort per week
- Centralized fragmented operational data into Power BI and Tableau dashboards, providing leadership with centralized, real-time insights into resource utilization, and delivery performance leading to a 45% improvement in project throughput

Software Developer Intern

May 2022 - Aug 2023

Malad Gas Service, BPCL

Mumbai, India

- Deployed a scalable JavaScript, React.js and Node.js service management portal to digitize gas delivery scheduling and tracking for 150+ daily gas delivery routes, enabling dispatchers to coordinate deliveries and reduce conflicts
- Implemented a Flask-based Python REST API to centralize customer requests, automate bookings, and ensure data security and reliability, reducing manual errors by 30%
- Engineered a robust data synchronization pipeline integrating large PostgreSQL datasets from multiple sources, improving data transparency by 50%, and providing operations managers with insights into sales performance

Teaching Assistant

Jan 2023 - Apr 2025

University of Windsor

Windsor, ON

- Facilitated technical labs for 40+ students in Computer Science, clarifying complex concepts and providing personalized feedback focusing on programming, backend logic, and software optimization
- Coordinated the grading of 25+ students' technical work, including challenging programming assignments and examinations

EDUCATION

University of Windsor

Sep 2021 - Jun 2025

Bachelor of Science Honours (Co-op) in Computer Science, Specialization in AI and Minor in Math

Windsor, ON

PROJECTS

Text Analyzer App

- Engineered a full-stack web application using Next.js, TypeScript, and Flask-based Python backend, integrating LLMs for real-time summarization, paraphrasing, translation, and sentiment analysis with 95% accuracy

Real-Time Market Data Forecasting

- Built a real-time market trend prediction system in Python leveraging large dataset processing and machine learning models in a 3-person team

Expense Tracker App

- Led a 4-person team to design an Android application using Java and Firebase that enables intuitive expense tracking and automated PDF statement generation, earning a project score of 99%

E-commerce Website

- Developed an e-commerce platform using HTML, PHP, JavaScript, and MySQL with secure user authentication, real-time inventory management and checkout