

Parth Gala

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TECHNICAL SKILLS

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

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

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

Tools & Platforms: Apache, MS Azure, AWS, Docker, Jupyter Notebooks, Tableau, Android Studio, Power BI, Power Automate, Git

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

EDUCATION

University of Windsor

Sep 2021 - Jun 2025

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

Windsor, ON

EXPERIENCE

Full Stack Software Developer Co-op

Sep 2023 - Aug 2024

Ground Effects Ltd.

Windsor, ON

- Developed and optimized full-stack web applications designing front-ends with TypeScript, JavaScript and Next.js, and building robust back-end services using Node.js alongside PHP server-side architectures
- Designed and maintained data pipelines supporting 3+ cross-functional teams, by leveraging complex SQL queries and stored procedures to ensure efficient ETL
- Implemented high-performance, scalable RESTful APIs to enhance system performance, decreasing average response times by 55%
- Automated routine operational workflows using Power Automate, Azure and AWS cloud services, reducing required manual effort by 80%
- Centralized cross-team data into Power BI and Tableau dashboards, providing actionable insights that increased overall project throughput by 45%

Software Developer Intern

May 2022 - Aug 2023

Malad Gas Service, BPCL

Mumbai, India

- Built a scalable JavaScript, Next.js and Node.js service management portal to digitize gas delivery scheduling and monitoring, increasing operational efficiency by 65%
- Implemented a Flask-based REST API to centralize customer requests and automate service bookings, reducing manual errors by 30%
- Engineered a data synchronization pipeline to integrate SQL Server data into a unified dashboard, eliminating inconsistencies and cutting reconciliation time by 50%

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 code feedback
- Coordinated the grading of 25+ students' technical work, including complex programming assignments and examinations

PROJECTS

Text Analyzer App

- Engineered a full-stack platform using Next.js, TypeScript and Flask API, leveraging LLMs for real-time summarization, translation, and sentiment analysis with 95% accuracy

Real-Time Market Data Forecasting

- Built a real-time market trend prediction system in Python using machine learning and deep learning models, focusing on rigorous performance evaluation in a 3-person team

Expense Tracker App

- Led a 4-person team to design an Android application using Java and Firebase that enables seamless 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