Parth Gala

226-961-4354 | Mississauga, ON | parth1868134@gmail.com | linkedin.com/in/gala-parth | parthgala.com | github.com/parth-galaaa

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 JavaScript, React.js and Node.js service management portal to digitize gas delivery scheduling and tracking for 150+ daily gas delivery routes, reducing routing conflicts by 40% and improving dispatcher workflow efficiency
- 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

TextBuddy

- Engineered a full-stack AI application using Next.js and TypeScript for the frontend and a Flask Python backend hosted on Vercel serverless functions, delivering a fast, modern UI with sub-second end-to-end text processing performance
- Developed an NLP pipeline using custom-trained T5 models, RoBERTa sentiment classification, and Helsinki-NLP translation models to achieve 95% paraphrase accuracy, precise emotion scoring, and reliable multilingual translation

Real-Time Market Data Forecasting

- Built a multi-model ML benchmarking system using Python, Scikit-Learn, and deep learning architectures (CNN, LSTM, MLP), delivering consistent predictions and isolating the top-performing regressor across large parquet datasets
- Implemented a scalable preprocessing and evaluation pipeline with feature lagging, StandardScaler, and automated metric reporting, delivering reliable R^2/RMSE insights and clean visual comparisons for time-series-like responder data

Expense Tracker App

- Led a team of 4 to build a full-stack Android finance app using Java and Firebase (Auth + Realtime Database), delivering secure user-isolated expense tracking with 100% real-time sync reliability across sessions
- Designed an interactive analytics module with MPAndroidChart and category aggregation, delivering 40% faster insight retrieval through animated visualizations and real-time updates to help users quickly understand spending patterns