Parth Gala

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TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, TypeScript, PHP, Java, C, HTML, C++, C#
Frameworks: Flask, Django, Node.js, Next.js, ReactJS, AngularJS, Vue.js, TailwindCSS
Databases: MySQL, MS SQL, PostgreSQL, MongoDB, Snowflake
Tools & Platforms: Apache, MS Azure, AWS, Docker, Jupyter Notebooks, Tableau, CI/CD Pipelines, Android Studio, SQL Server Reporting Services, Power BI, Power Automate, Git
Libraries: Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch, Keras, Seaborn, Matplotlib, OpenCV, NLTK

EXPERIENCE

Full Stack Software Developer Co-op
Sep 2023 - Aug 2024

Ground Effects Ltd   *Windsor, ON*

- Developed and optimized full-stack web applications by designing front-ends with TypeScript and Next.js, and building secure, scalable backend services using Python, PHP and Node.js
- Designed and monitored large-scale data pipelines supporting 3+ teams using MS SQL, leveraging complex SQL queries and stored procedures optimizing ETL workflows, database performance and report generation with SSRS Report Builder
- Deployed and documented high-performance, fault-tolerant RESTful APIs, achieving 99.9% system uptime and supporting 300+ daily internal users
- Automated backend workflows with CI/CD pipelines, Power Automate, and cloud deployments on AWS and Azure, eliminating over 20 hours of manual effort per week
- Centralized distinct team data into Power BI and Tableau dashboards, providing useful insights that increased overall project throughput by 45%

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
- 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, improving data integrity and transparency 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 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 Computer Science Honours (Co-op), Specialization in AI and Minor in Mathematics   *Windsor, ON*

PROJECTS

Text Analyzer App

- Engineered a full-stack platform using Next.js, TypeScript, and Flask-based Python backend services, 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