

Smit Patel

smits.patel@mail.utoronto.ca | linkedin.com/in/smit11patel

TECHNICAL SKILLS

Languages: Python, Java, C/C++, HTML/CSS, TypeScript, Javascript, Swift

Frameworks, Libs & Tools: React, Tailwind, Scikit-learn, Pandas, Numpy, Jupyter Notebooks, Git, AWS, OpenAI API, Supabase, Fast API

EXPERIENCE

Stupid Hackathons

Co-Founder

June 2025 - Present

- Scaled from 2 cities to **6 international locations** (Toronto, San Francisco, Madagascar, Vancouver, Quebec), expanding global visibility
- Secured a **multi-year partnership with Shopify** and industry leaders to provide funding, resources, and mentorship for events
- Boosted participant sign ups by **600%** through targeted **Linkedin campaigns**, resulting in **200+** innovative projects worldwide
- Achieved media coverage in **TechDay** and **What's Happening in Toronto**, driving brand recognition, sponsorship interest, and engagement

University of Toronto Formula Racing Team

Driverless Team Member

July 2025 - Present

- Designed and deployed real-time **SLAM** and mapping in **C++ and ROS2** on embedded hardware, reducing localization latency by **30%**
- Optimized static centerline generation for acceleration events cutting path tracking error by **25%**
- Built a **ROS2 benchmarking node** to profile and analyze each stage of planning pipeline, reducing processing time by **40%**
- Enhanced **Delauncy triangulation** and path-tracking modules to support new vehicle configurations (4WD) and lowered CPU use by **20%**

International Baccalaureate Mentorship Conference

Chairman

Sep. 2023 - June 2025

- Led a **500 participant** leadership conference to aid the development of grade 9 students in the IB program
- Researched and initiated cost-effective strategies to reduce expenses by **45%** in merchandising and catering
- Organized **7 leadership activities** to **200 volunteers**, increase attendance by **30%** through optimized scheduling and outreach

Patel Insurance

Full-Stack Developer

Sep. 2022 - June 2024

- Created the **UI** using Flask, **React**, and AWS Lambda through which the customer could send queries and schedule consultations online
- Accomplished **40% increased traffic** and 20+ new leads per month measured by Google Analytics using HTML, CSS, JavaScript
- Utilised automated follow-up email & **CRM software** to increase client engagement by 35%

PROJECTS

F1 Performance Modelling | Python, Scikit-learn, pandas, NumPy, Matplotlib, Jupyter

Aug. 2025

- Built a **Formula 1 race prediction system** using historical data (1950-2024, **12+ datasets**) to forecast racer final positions
- Engineered **40+ domain-specific features** (driver trends, constructor metrics, circuit patterns, qualifying stats) to improve accuracy
- Developed and evaluated ML models (**Logistic Regression, Random Forest, Linear Regression**) with time-based test splits

Financial Literacy Chatbot | Python, Flask, React, OpenAI API

Oct. 2024

- Optimized data handling for several users to cut response times by **60%** increasing user engagement by **40%** through asynchronous requests

EDUCATION

University of Toronto

TrackOne Engineering Program

Sep. 2025 - Apr. 2029