

Dev Patel

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OBJECTIVE: To secure the Software Developer position at a forward-thinking tech company, where I can apply my experience in Python, software design, and collaborative project development to create impactful solutions.

HIGHLIGHTS OF SKILLS

- Over 3 Years of Professional Software Development Experience in full-stack and AI/ML projects, delivering solutions in real-world environments with measurable impact.
- Full-Stack Web Development expertise using React.js, Vue.js, Node.js, Express, HTML/CSS, and JavaScript to build responsive, user-focused applications.
- Database Design and Optimization with MySQL, MongoDB, and PostgreSQL, improving query performance and data retrieval across large-scale systems.
- AI/ML Implementation using Python, TensorFlow, OpenAI APIs, and Scikit-learn to build intelligent features and recommendation systems.
- Cloud Infrastructure and DevOps tools, including AWS, Docker, GitHub Actions, and CI/CD pipelines to streamline deployments and automate workflows.
- Cross-Functional team collaboration in agile environments, coordinating with designers, product managers, and stakeholders to meet sprint goals and reduce development time.
- Problem solving and initiative, demonstrated through automation of backend tasks, reducing manual workload by 30% and increasing operational efficiency.

EDUCATION

Bachelor of Science (Honours) Computer Science Co-op

Ontario Tech University | Oshawa, ON

May 2028

- Relevant Coursework: Machine Learning, Software Quality Assurance, Algorithms, Cloud Computing
- General Member of the Computer Science Club
- cGPA: 4.03/4.3

Bachelor of Science in Computer Science Co-op

University Of Toronto | Scarborough, ON

2023-2024

- Transferred after completing the first year
- Relevant Coursework: Programming Languages, Data Structures, Operating Systems

PROFESSIONAL EXPERIENCE

Lead Full Stack Developer

Amplacam AI - Toronto, ON

May 2025 – Current

- Led development of a secure, full-stack fire detection SaaS platform, including authentication systems, API integrations, and interactive dashboards.
- Designed and implemented user-friendly front-end interfaces using HTML, CSS, JavaScript, React, and other web technologies.
- Structured and organized large datasets into accessible, well-presented dashboards for clear decision-making, aligning with governance information needs.
- Collaborated with cross-functional stakeholders to ensure platform features met client requirements and followed accessibility and security best practices.

- Applied project management and version control tools like GitHub to deliver milestones on time and maintain clear documentation.

Jr. Full Stack Developer

Boostyd.io– Toronto, ON

May 2023 – Current

- Designed responsive web interfaces using React.js and Vue.js, improving site speed by 25% and enhancing mobile and desktop user experience.
- Built RESTful APIs with Node.js and Express, reducing latency by 15% and enabling platform scalability to support a 2x increase in user traffic.
- Automated backend tasks using Node.js and Java, cutting manual processing time by 30% and saving 20+ hours per week in operations.
- Collaborated in Agile sprints with cross-functional teams to deliver 3+ client-facing features ahead of schedule, achieving a 100% sprint success rate.

AI Engineer

Radical AI – New York, United States (Remote)

May 2024 – Aug 2024

- Developed an AI-powered career coach using OpenAI and Google Gemini APIs, delivering real-time personalized mentorship and increasing user satisfaction by 25%.
- Built and deployed NLP models and recommendation algorithms using Python and Scikit-learn to match users with tailored career insights and growth paths.
- Architected a scalable AI system, ensuring high performance across thousands of user interactions and adaptability to diverse coaching scenarios.
- Collaborated with product, design, and domain experts to align machine learning features with user needs, improving engagement and retention metrics.

PROJECT EXPERIENCE

Summarization and Question Answering Tool

Mar 2025 - Current

Personal Project

- Developed an interactive NLP tool that combines text summarization and question answering using Hugging Face Transformers and LangChain to streamline information extraction from long-form text.
- Integrated multiple transformer pipelines (*facebook/bart-large-cnn* for summarization and *deepset/roberta-base-squad2* for QA) with prompt chaining and refinement, improving summary accuracy and contextual understanding.
- Engineered a modular CLI interface allowing users to input custom text, specify summary length, and interactively ask context-aware questions, showcasing end-to-end pipeline orchestration and usability.
- Enhanced practical knowledge of NLP model deployment and multimodal prompt engineering while working with real-world language models and evaluating summarization coherence across different input lengths.

F1 Grand Prix Top 10 Predictor

Jan 2025 – Mar 2025

Personal Project

- Applied machine learning and data science skills to lead the development of an F1 race finisher prediction tool, using Python and collaborating with motorsports enthusiasts to define predictive variables.
- Integrated real-time APIs (OpenF1, Ergast, and weather APIs) and engineered a data pipeline to collect, clean, and merge data on qualifying laps, pit stops, weather, and historical circuit performance.
- Trained and optimized a Gradient Boosting model using Scikit-learn, achieving an AUC score of ~0.82 in predicting the top 10 race outcomes; visualized insights using Matplotlib and Seaborn.
- Strengthened end-to-end project management skills by handling all aspects from data engineering to model evaluation and presentation, and gained practical experience with predictive modelling in a dynamic, real-world scenario.