

Vishwas Puri

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TECHNICAL SKILLS

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

Frameworks: React, Angular, Node.js, Spring Boot, ASP.NET Core, Jest

Developer Tools: Git, GitHub, Google Cloud Platform, Google Colab, Postman, Jira, Confluence, Figma

Libraries: PyTorch, Scikit-learn, OpenCV, Hugging Face, Pandas, NumPy, Matplotlib

EXPERIENCE

Canada Life

May 2025 – Aug 2025

Software Engineering Intern

Toronto, ON

- Collaborated with Sponsor Billing and Finance team to develop a **group insurance billing platform** using C#, ASP.NET Core, and Microsoft SQL Server, automating invoicing for admins **cutting manual work by 95%**
- Built a React and Vite.js dashboard for **real-time invoice generation**, transforming **days of manual work into seconds** with responsive UI/UX integrated with GitLab CI/CD pipelines for automated deployments
- Redeveloped VBA onboarding system in Microsoft Access using optimized SQL Server queries, cutting high-priority break/fix incidents by **90% for developers and boosting onboarding efficiency for business users**

Royal Bank of Canada

May 2024 – Aug 2024

Lead Software Engineering Intern

Toronto, ON

- Led an agile team of **5 developers** to design and streamline the financial plan verification process for Advisors, collaborating with business stakeholders to build a **custom business rules engine**
- Owned project, delivering a scalable Spring Boot microservice automating daily batch validation for **150 financial plans**, ensuring quality through code reviews, achieving **3 production releases in 8 weeks**
- Engineered an Oracle SQL data pipeline with seamless external API integrations, powering an Angular dashboard used daily by **over 200 financial advisors** across Canada, reducing **manual validation time by 75%**

Royal Bank of Canada

Jul 2023 – Aug 2023

Software Engineering Intern

Toronto, ON

- Collaborated with RBC's digital team to enhance UI consistency, developing **4 maintainable Angular and React web components** for organization-wide standardization
- Performed unit and end-to-end testing with Jest and Cypress, achieving **over 80% code coverage** aligned with Figma designs for high-quality components
- Enhanced customer usability and accessibility boosting developer productivity by **over 30%** with UI components adopted by **1,000+ engineers** across development teams

PROJECTS

Caption Tune – AI-Powered Music and Caption Generation | *React, Node.js, TypeScript, Redis, Google Cloud*

- Developed a **React SPA** with Node.js API and Gemini 2.0 Flash AI model on Google Cloud Platform, enabling image-to-music and caption matching, **achieving 95% accuracy**
- Implemented token-based rate limiting with K6/Artillery testing ensuring **high concurrency scalability**
- Deployed serverless Vercel app with Redis Upstash KV store, enhancing **low-latency API performance**

SkinAI Classifier – Deep Learning Skin Lesion Classification | *Python, PyTorch, Scikit-learn, Streamlit*

- Built and trained a ResNet-18 CNN using transfer learning on 10,000+ HAM10000 dataset images, **achieving 78.9% validation accuracy and 70.5% test accuracy** for 7-class classification
- Deployed an **interactive Streamlit web app** for real-time AI skin-lesion classification, enabling instant prediction with preprocessing for medical professionals, supported by research, reports and presentation

EDUCATION

University of Toronto

Sep 2023 - Apr 2027

Bachelor of Applied Science in Computer Engineering

Toronto, ON

- Minors:** Artificial Intelligence and Business
- Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Machine Learning, Deep Learning