Krupali Patel

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EDUCATION

York University — Sep 2020 - Aug. 2025
Honours Bachelor of Science in Computer Science — *Toronto, Ontario*
- Courses: Human-Computer Interaction, Mobile User Interfaces, Advanced Object Oriented Programming, Programming for Mobile Computing, Software Tools

SKILLS

User Research, Prototyping, Responsive Design, React, HTML/CSS/JavaScript, Ant Design, Bootstrap, API Integration, Git, Agile, Debugging, Problem-Solving, Communication, Collaboration, Adaptability, Critical Thinking

EXPERIENCE

Frontend Developer — Sep. 2024 – Apr. 2025
Royal Bank of Canada
- Designed and implemented the front-end of an internal dashboard using **React**, **Ant Design** and **TypeScript**, enhancing **UI** consistency, interaction flow, and overall **UX**.
- Created **wireframes**, **low-fidelity prototypes**, and **high-fidelity prototypes** in **Figma** for **2** internal dashboards, incorporating user testing, feedback loops, and iterative design to optimize workflows.
- Developed a centralized Operations Dashboard Metrics portal that consolidates key operations and security metrics (**KPIs**, **KRIs**, **vulnerabilities**) for Core Platform Services, increasing monitoring and reporting efficiency by **90%**.
- Built front-end components and interactive modules, ensuring maintainable, scalable, and high-performance code that accelerated development of future features by **40%**.
- Developed visual design assets including logos and interface prototypes for **6** internal teams, ensuring alignment with brand identity and design standards.
- Conducted **user research**, **interviews**, and **usability testing** to identify pain points, inform interaction design, and implement accessibility improvements.
- Presented design **iterations** and **prototypes** to stakeholders, gathered feedback, and refined navigation, layout, and user flows to enhance usability and engagement.
- Showcased **UX/UI** project outcomes at the Student Leadership Showcase to the Senior Vice President of Technology Infrastructure and **20** team members, highlighting design thinking, prototyping, and user-centered solutions.

Full Stack Web Developer — Sep. 2022 – Apr. 2023
Scotiabank
- Contributed to the development of web page frontends utilizing **HTML**, **CSS**, **BootStrap**, and **jQuery** within the **ASP.NET** framework across 4 major projects for external teams.
- Scheduler built using **C#** and **SQL**, to streamline tasks run by internal teams, perform runtime analysis and email daily alerts, becoming a primary tool within 3 months of development.
- Operation Resilience surveys developed in collaboration with internal organizations, performing continuous feedback checks, resulting in an increase in efficiency of responses by **90%**.
- Performed analysis on organizational data provided, leading to the identification of vulnerabilities, reducing future risks by **40%**.
- Integrated email-confirmation feature to GBM's Vacation Alert system, informing respective individuals on urgent updates and cancellation requests, minimizing vulnerabilities by **25%**.

PROJECTS

Budgify | *Figma, UX, UI, User Research*
- Designed and prototyped a mobile application aimed at helping students manage their finances throughout the school year.
- Conducted user research to identify student budgeting challenges and pain points.
- Created wireframes, user flows, and interactive prototypes to map out intuitive navigation and features.
- Applied principles of usability and accessibility to ensure a simple, student-friendly interface.
- Iterated designs based on feedback to improve clarity, engagement, and overall user experience.