Devam Patel

Saskatoon, SK devam.patel@usask.ca [LinkedIn](#) [My-Portfolio](#) [GitHub](#) [LeetCode](#)

Skills and Strengths:

- **Core strengths** (Learner, Restorative, Relator, Responsibility, Analytical)
- **Soft skills** (Written and Verbal Communication, Problem Solving and Critical Thinking, Teamwork, Patience)
- **Programming Languages** (C, Java, C#, Python)
- **Web development** (NodeJS, HTML, CSS, React, JavaScript/TypeScript)
- **Frameworks** (JavaFX, Express, Jest)
- **Databases** (MySQL, MongoDB, CouchDB)
- **Tools** (Microsoft Power BI, Git, Make, Vim, GDB, Postman, Docker, GitHub Actions)
- **Operating systems** (Windows, (Linux: Debian, Red Hat))
- **Cloud** (GCP)

Projects:

CASI survey app, *University of Saskatchewan*　　　　　　　　　　　　　　　April 2024

- Developed a veterinarians' survey mobile application with a team of 11 using Agile methodology.
- Used React Native, Express, MySQL, and Jest for automated testing.
- Role: Build Master
  - Created a CI pipeline using GitHub Actions to automate testing on merge requests, increasing testing efficiency by 30%.
- Role: Developer
  - Worked across all stages of the V-model:
  - Requirements Gathering: Collaborated with stakeholders to define application needs.
  - Design: Contributed to high, medium, and low-level design documents.
  - Implementation: Developed core backend APIs and prototypes to validate designs.
- Role: Tester
  - Conducted unit tests, integration tests, and acceptance tests to validate requirements at all levels.
- Source Code: [GitHub Repository](#)

My wellness buddy app, *University of Saskatchewan*　　　　　　　　　November 2023

- Built a healthy meal generation mobile app with a team of 6 using React Native, Express, and MongoDB.
- Role: Backend Lead
  - Led backend development tasks, ensuring task distribution and knowledge sharing among team members.
  - Delivered high-value software features to stakeholders each sprint.
- Role: Developer
  - Designed backend logic aligned with application use cases and front-end requirements.
  - Conducted unit tests, manual integration tests, system tests, and regression tests after code updates.
- Source Code: [GitHub Repository](#)

Education:

Bachelor of Science Honours Software Engineering Option in Computer Science　　Present
University of Saskatchewan, Saskatoon, Saskatchewan

- **Overall average:** 85%
- **Related coursework:** Implementation of GUI, Software Management, Intermediate Software Engineering, Cloud and Mobile Computing, Algorithm Design Analysis and Correctness, Operating Systems Concepts, Computer Networks, Full Stack Web Programming

Certificates:

- Microsoft Azure Fundamentals (AZ-900) (in progress)

Work Experience:

Executive Protection Services

- Work as a team member and alone to prevent thefts.
- Write incident reports.
- Train new team members in loss prevention techniques.
- Monitor stores for any thefts or suspicious activities.