ROSY BUDHATHOKI

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EXPERIENCE

Software Developer Intern

Pason Systems Corp, Calgary, Alberta   May 2024 – Dec 2025

- Collaborated in an Agile environment, working on assigned tickets: adding error logs, fixing virtual hardware issues, automating new features/tests, fixing existing bugs, writing automated scripts to run after deployment.
- Worked on a failure detection system that combines a rule-based algorithm with a lightweight machine learning model to analyze data from test runs and predict the reasons behind test failures.
- Developed and maintained test automation framework**s** using Java with Selenium.
- Managed Jenkins CI/CD workflows, creating and maintaining seed jobs in Groovy to support deploy pipelines.
- Debugged and resolved system-level issues, and automated/fixed machine configuration scripts to ensure seamless application deployment and operation.

PROJECTS

MemoAI | OpenAI API, TypeScript, JavaScript, React, Next.js, Tailwind CSS, Clerk, TanStack

- Developed a full-stack AI-powered note-taking web application with autocomplete by designing and refining prompts for OpenAI API, improving text prediction accuracy and user productivity.
- Integrated OpenAI API seamlessly into the web application, handling requests, responses, and error states for real-time AI features.
- Designed and implemented responsive UI components using React and Tailwind CSS, ensuring seamless interaction across devices.

ScanSaga | Java, Firebase, Android Studio, XML, JUnit

- Developed a Firebase-integrated Android app for event management, enabling seamless check-ins via QR code scanning with real-time data validation and updates.
- Integrated features such as RSVP tracking and analytics, geolocation verification, promotional pop-ups, image upload, real-time attendance tracking, and auto profile picture generation.

Quality Assurance Intern – Magnify Access - Toronto, ON   Feb. 2025 - Apr. 2025

Product Launch Research Strategy Intern – R&B Retreats – Gracefield, QC   Feb. 2024 - Apr. 2024

EDUCATION

Bachelor of Science - Specialization in Computing Science   Expected - Apr. 2026

University of Alberta – Edmonton, Alberta – **Dean's Honors Roll**

   Courses – Software Engineering, Search and Planning in AI, Advanced Machine Learning, Reinforcement Learning, File and Database Management, Data Structures and algorithms.

TECHNICAL SKILLS

- **Languages:** Java, Python, C, Julia, SQL, MongoDB, Groovy, XML, TypeScript, JavaScript, HTML, CSS
- **Frameworks & Libraries:** JUnit, Selenium, Matplotlib, Firebase SDK, Android SDK, React, Next.js, Tailwind CSS, TanStack Query, TipTap
- **Tools & Platforms:** Git, GitHub, Jenkins, Allure, Android Studio, MongoDB, Firebase, Netlify, Clerk
- **Other Skills:** Test Automation, CI/CD Pipelines, UML, Agile (Scrum), REST APIs, AI Prompt Engineering, Linux (Ubuntu), Windows