

# Prashul Shrestha

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## Education

**Bs. of Computer Science** / St. Cloud State University (SCSU), MN

MAY 2021

COURSEWORK: Object-Oriented Software Design (T.A), Database Theory & Design, Systems Programming, Computer Network, Mobile App Dev I & II (L.A), Software Engineering I & II, Operating Systems;

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## Work Experience

**IT Innovation & Developer** / St. Cloud State University

OCT – Present

- Incorporated Alexa Skill used by 12,000+ students around the university through AWS Lambda functions.
- Improved response time of Alexa by 12% by optimizing node functions and database caching.

Tools: AWS, Lambda Function, DynamoDB, S3 Bucket, Node.js

**Software Engineer Intern** / RBC Wealth Management, Minneapolis, MN

JUNE – AUG 2020

- Developed and deployed an automated release notes tool increasing productivity by 75% to diagnose modifications & errors in the internal metaphysics model.
- Worked effectively on a large-scale project with 150,000 lines of code to fix existing software bugs.
- Hands-on experience with JDBC SQL database queries & full software development life-cycle.
- Implemented 96% coverage unit tests with JUnit to deploy production-quality and scalable applications.

Tools: IntelliJ, Java 11, JUnit, Microsoft SQL, Gradle, Jenkins

**Software Developer Intern** / GeoComm, St. Cloud, MN

MAY – AUG 2019

- Implemented UI features to customize the web dashboard which increased customer satisfaction by 25%.
- Worked independently to understand requirements and deliver results aligned with project goals.
- Scripted server-side script to monitor SNMP traps in the ad-hoc call routing feature.
- Gained exposure to sprint-based Agile project planning and delivery process.

Tools: Angular 8, HTML5/CSS, Python, .Net C#, AWS

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## Skills

- Java • C/C++/C# • Python • HTML/CSS • Angular8+ • React • Node.js • REST API • SQL • MongoDB • JavaScript/Typescript • AWS • Android Studio/Flutter • Git/GitHub • Jira
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## Project

**EXPENSE TRACKER** | [PROJECT LINK](#) – AUG 2020

A full-stack web application to track expenses. Consumes RESTful web-services in SpringBoot with MySQL on the back-end, and Angular on the front-end while building database schemas & accessible APIs. Tools: Angular 8+, Spring Boot (JAVA), MySQL (RDMS), HTML5/CSS.

**NUTRITIONACT** (FLUTTER) | MINNEHACK ([LINK](#)) – OCT 2018

Collaborated on a cross-functional team of 4 to design and code a mobile app for users to be aware of nutritional data of food using Image Analysis API. Tools: Flutter (Dart), Machine Learning Kit, Firebase DB, Google Cloud

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## Involvement

**President/Vice-President, Computer Science Club** | SCSU

MAY 2019 – DEC 2020

**Computer Science Tutor** | SCSU

AUG 2019 – DEC 2020

**Graphic Designer** | Helping Nepal International – SCSU

SEP 2019

**Oriention Leader** | SCSU

FALL 2018