

# Roofa Etagiuri

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## EDUCATION

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### University of Saskatchewan

Saskatoon, SK

Bachelor of Science in Computer Science

Expected: May 2025

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Systems, Database Systems, Web Development, Software Engineering, Artificial Intelligence, Project Management

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, Java, C#, C, SQL, HTML/CSS, Bash/Shell Scripting

**Frameworks/Tools:** Next.js, React, Node.js, Tailwind, Docker, MySQL, Firebase, OpenAI API, BitBucket, Git, Slack

**Certifications:** Lyft Back-End Engineering Job Simulation, Codedex Summer Hackathon 2024 Hacker

## EXPERIENCE

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### Headstarter AI

Jul. 2024 – Sep. 2024

Software Engineer Fellow

Long Island City, NY

- Built 4+ applications using AI in 5 weeks, with 98% operational accuracy, using React, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with sprints and incorporating CI/CD practices to iterative deployment
- Developed an interactive customer support agent using Next.js that improved customer response accuracy by 30% by integrating a custom RAG pipeline with OpenAI and Pinecone to query the company's knowledge base
- Achieved a 20% increase in project efficiency by coordinating input from software engineers at Google, Amazon, Y Combinator, and Stanford through code reviews and problem-solving, leading to streamlined development processes

### PSI Technologies Inc.

Sep. 2023 – Aug. 2024

Software Developer Intern

Saskatoon, SK

- Streamlined software reliability and user engagement by achieving 40% fewer bugs and 25% higher user feedback through a Data Visualization Application using C#, .NET Core, MVVM principles, and DevExpress
- Enhanced development efficiency and code quality resulting in 25% fewer defects and 30% faster development cycles by implementing systematic code reviews and peer sessions for PSISams3D and PSIVisions3D projects
- Boosted platform stability and scalability by 50% and user retention by 15% across 10,000+ users, leading architecture enhancements and deployment optimizations with a 5-person team

## PROJECTS

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### AI Pantry Web Application | JavaScript, Next.js, Firebase, OpenAI API

- Engineered a pantry management system by enabling real-time updates and dynamic user interaction through a responsive web application using Next.js and JavaScript
- Improved recipe discovery experience by generating recipe suggestions based on available ingredients through implementing an Artificial Intelligence feature using OpenAI GPT-4 API
- Integrated Firebase for secure user authentication, enabling sign-up and sign-in while live-storing users personalized pantry items and their quantities for 50 active users in the database

### ChillChat Messenger Application | JavaScript, React.js, Node.js, Docker, MySQL

- Constructed user communication capabilities by implementing a room management with a sign-up system, request features, join, leave functionality, and member limits through constructing a full-stack web application
- Amplified system efficiency and user experience by reducing back-end processes by 10% with searchable directory, private, and public channels system through Socket.io for real-time messaging and CORS for secure communication
- Optimized data management and user privacy by maintaining user IDs, messages, usernames, emails, encrypted passwords, and channel histories through a MySQL database with over 6 tables

### Library Management System | JavaScript, React.js, Next.js, AWS

- Strengthened application architecture by creating a responsive full-stack system through collaborating in a 5-person team using JavaScript, React.js, Next.js, TailwindCSS, and Amazon Amplify
- Increased user satisfaction by 30% by implementing comprehensive book management features through designing functionalities for reservations, payments, and filtering systems
- Accelerated feature delivery speed by 20% by enhancing team adaptability and performance against code completion and project goals through Agile Scrum Methodologies with daily standups and weekly sprint meetings