

# Khushi Lad

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## EDUCATION

### University of Alberta

BSc with a specialization in Computing Science

Expected Graduation May 2026

GPA: 3.8

**Languages:** Python, Javascript, C, Julia, R, SQL

**Technologies/Frameworks:** ReactJS, Redux, NodeJS, ExpressJS, Mongo, Git, AWS, Django, Pytorch

## WORK EXPERIENCE

### Software Developer Student | University of Alberta Coursework

Sept 2024 - Dec 2024

- Working with a non-profit organization to create a grant and finance management web application using the MERN stack
- Follow agile practices, plan development in phases, create documentation, plan client meetings
- Website link : <https://kayanou.onrender.com/>

### Coding Instructor | Code Ninjas

July 2023 - Present

- Lead teams to teach students programming principles with Javascript, C#, and block-code as well as 3-D design, web-development, and programming microcontrollers

## PROJECTS

### GymBuddy | MERN stack, Redux and RTK Query, JWT (JSON web Tokens)

Progress management app structured like Twitter that encourages users to post about their physical achievements. Posts include tags that can be filtered to simplify tracking. Optional image upload on posts.

- Built back-end REST API with Node.js, Express.js, MongoDB and Mongoose
- Implemented React JS Controllers to maintain each view data
- Handled and created Redux store data and used RTK Query to load data
- Utilized JWT for user authentication, refresh and access tokens

### Job Application Manager | React.js, Django, Python

Built a job application management web app with a team. It allows users to add/edit jobs they have applied to with easy access to details such as job status, date applied, field and company. Includes resume management that saves catered resumes as well as a master resume for easy editing.

- Utilized React.js to implement a responsive design
- Built back-end REST API with Django, and designed SQL database models
- Used Git for source code management (merged branches, resolved conflicts)

### Event Horizon | Java, Firebase, Google Cloud, Figma

Build an events management android app in a team. Users check-in using QR codes. Event organizers can track attendance, manage event details, and send notifications. Integrated Google Maps for event location and attendee tracking

- Build back-end REST API with Firebase
- Utilized Figma for UI/UX design with storyboards, wireframes, and CRC cards
- Used the MVC design pattern for front and backend separation

### Email Spam Detector | python, Jupyter notebooks, NumPy, Pandas, Scikit-learn

Built a model that predicts whether an email is spam or not based on the email's body

- Used the Naive Bayes Algorithm for classification
- Obtained 95% accuracy using the Kaggle Spam or Ham dataset