Khushi Lad

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EDUCATION

University of Alberta   **Expected Graduation May 2026**
BSc with a specialization in Computing Science   GPA: 3.8

Languages: Python, Javascript, C, Julia, R, SQL
Technologies/Frameworks: ReactJS, Redux, NodeJS, ExpressJS, Mongo, Git

WORK EXPERIENCE

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
- Collaborate with industry professionals and employers to ensure curriculum alignment with current industry trends and job market demands

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 a master resume for easy editing.

- Utilized React.js to to implement a responsive design
- Built back-end REST API with Django
- Designed and optimized 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 emails body

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