

LAXMAN ADHIKARI

EDUCATION

The University of New Mexico, Main Campus

- **Bachelor of Science: Computer Science (Expected graduation: Dec 2022)**
- **3.61 GPA**
- **Relevant coursework:** Software Engineering, Design of Large Programs, Data Structure and Algorithms I & II, Computer Architecture, Intermediate Programming in Java, Computer Networks, Linear Algebra, Data Organization, Statistics

EXPERIENCE

Computer Science Teaching Assistant

University of New Mexico | Albuquerque, NEW MEXICO | November 2021 - Current

- Guiding 50+ students to learn OOP concepts in Programming and approaches to design efficient algorithms.
- Implemented 'help-hour' plan for struggling students, resulted in 30% increase in class test average

Software Developer Intern

Bhojdeals | Kathmandu, Nepal | June 2021 - August 2021

- Designed and implemented a feature to minimize the cost to deliver foods to customers by utilizing Google Maps REST API, resulting in up to 25% time and cost efficiencies.
- Worked in a team of 5 software developers and 2 interns to develop Restful APIs to be used by enterprise's web and mobile application using Django REST framework to improve the response time by 15%.
- Deployed static assets on AWS S3 and served requests using AWS CloudFront which reduced application load time by ~2 seconds.
- Worked with mobile application team to update react-native code base from react-navigation v3 to v5.

IT Support Technician

IT Applications @ University of New Mexico | March 2020 - Current

- Resolving students and faculty's support ticket for web and mobile applications operated by UNM

PROJECTS

LoboEats (Android & iOS Mobile Application) | React Native

- Collaborated with a senior developer to develop an application that aims to minimize the problem of food insecurity in college students. This app allows event organizers to post food available from events around the university and students get notifications about the location, food type, etc.
- Utilized Google Maps API to help users navigate the location of food availability.
- Used Firebase Cloud Messaging (FCM) to enable push notifications to all students when someone makes a new post.

Expense Tracker (Android & iOS Mobile Application) | React Native

- Implemented the complete stack of the application that allows users to track their expenses.
- Utilized Firebase realtime database to store user's data and used the APIs provided to communicate with the database.
- Handled User Authentication using Firebase authentication and utilized async storage to allow users to stay logged in for 1 month and automatic log out after that period.

GreatKart (E-Commerce Web Application) | ReactJS, Django, PostgreSQL, AWS, JWT

- Built a 3-tier distributed, scalable, and secured e-commerce web application by using Django, React, and PostgreSQL.
- Ensured security through JWT and Passport.js for user authentication and reduced database calls by 50%.
- Deployed the application on an AWS EC2 instance and static assets to the S3 bucket.

More Projects: Face Recognition Web Application, Auction Simulator (Multithreading Socket Programing), HomeSafe, Maze Generator and Solver, Human Benchmark Test

CONTACT

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PROFILES

- <https://www.laxman-adhikari.com/>
- <https://www.linkedin.com/in/ladhikari023/>
- <https://github.com/ladhikari023>

SKILLS

- **Programming languages:** Java, Python, JavaScript
- **Web Technologies:** HTML, CSS, ReactJS, Django
- **Mobile Technologies:** React Native, Java
- **Databases:** SQLite, PostgreSQL, Firebase
- **Tools:** Git, JIRA, VS Code, XCode, IntelliJ IDE, Android Studio
- **Cloud:** AWS (EC2, S3, Amplify)

ACTIVITIES & HONORS

- Member of Tau Beta Pi NM Chapter
- UNM Amigo Scholarship Recipient
- Dean's list every semester
- ESS Student Success Scholarship
- Computer Science Tutor at CTL UNM
- Project Manager - CS351 (5 students group)
- Regional Math Olympiad Winner - 2015
- CTSHackathon2021 - Developed a face recognition web application
- IEEE Member

CERTIFICATIONS

- Full Stack Web Development with React, Django, PostgreSQL and AWS
- Data Science Bootcamp with Python
- React Native Bootcamp
- Image Recognition CNN
- Machine Learning Intermediate - Kaggle