

# Raja Ahmed

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## EDUCATION

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### Bachelor of Science in Computer Science

University of Oklahoma · Norman, OK · May 2026

· Relevant Courses: Data Structures and Algorithms, Object Oriented Programming, Software Engineering, Artificial Intelligence

## EXPERIENCE

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### Undergraduate Research Assistant

University of Oklahoma

July 2024 – Present, Norman, OK

- Utilizing YouTube API and Python to scrape and compile a JSON dataset of 9,000 comments to use as foundation in a machine learning model.
- Creating a machine learning model using NLP to classify new comments as disinformation or not, targeting an accuracy of 85%.

### Programming Instructor

iCode

November 2023 – Present, Edmond, OK

- Built strong foundations in Java and JavaScript for 15-student classes, resulting in a 30% improvement in assessment scores.
- Assessed student progress through regular evaluations and provided constructive feedback to support continuous improvement.

### Operations Director

Hacklahoma

March 2023 – Present, Norman, OK

- Led and managed all logistical operations, resulting in a well-organized hackathon with over 170 participants and over \$5,000 in prizes.
- Direct a team of 7 members, fostering a collaborative and high-performance environment to achieve objectives on time.
- Coordinated communication between 4 teams and 12 sponsors to ensure transparency and alignment with project objectives.

### Software Engineering Intern

UFLIP

April 2023 – November 2023, Moore, OK

- Created the submission, accepted, and rejected features in a ticket tracking React web app, streamlining ticket transactions for 1000+ users.
- Operated within an Agile ecosystem utilizing Scrum methodologies, resulting in a 20% increase in team productivity.
- Rotated team lead between 4 teammates on a project, coordinating and guiding team members to ensure project execution.

## PROJECTS

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### Walk.io – Activity Tracker

React Native, Express.js, MongoDB · May 2024 – June 2024

- Developed a React Native mobile application that enables users to record and save tracks of outdoor activities such as running and hiking.
- Implemented secure user authentication and session management using Express.js and MongoDB, ensuring robust security for user data.
- Maintained a MongoDB cluster housing 1.3MB of user track data, facilitating efficient storage and retrieval for application needs.

### Outline – Task Tracking Social Media

React Native, Firebase, Firestore, PostgreSQL, Git · March 2024 – May 2024

- Produced a social media mobile app with a team of six, using React Native for front-end interfaces, navigation, and interactive features.
- Utilized Firebase, PostgreSQL, and Firestore for the back-end, ensuring reliable data management and user authentication.
- Integrated the Direct Messages feature, enabling chat functionality between 2 users and groups by using the GiftedChat library.

## INVOLVEMENT

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### Outreach Officer

OU AI / ML · Norman, OK · June 2024 – Present

- Coordinate workshops and speaker events annually, enhancing AI/ML learning for over 300 club members.
- Expand club membership through promotions and collaboration with university departments.

### Web Developer

OU UI/UX · Norman, OK · June 2024 – Present

- Designing a user-centric organization website using React, Node.js, and MySQL for over 250 club members.

## SKILLS

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Languages: Java, Python, JavaScript, NoSQL, C/C++, C#, HTML/CSS

Frameworks: React, React Native, Express.js, Node.js, Next.js, SCSS, Bootstrap, Tailwind

Other: Git, Google Cloud Platform, SDLC, Firebase, Firestore, MongoDB, UNIX