Raja Ahmed

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EDUCATION

Bachelor of Science in Computer Science
University of Oklahoma · Norman, OK · May 2026
· Relevant Courses: Data Structures and Algorithms, Operating Systems, Software Engineering, Artificial Intelligence, Bioinformatics

EXPERIENCE

Programming Instructor
iCode   **November 2023 – Present, Edmond, OK**
· Teach C#, JavaScript, and Java to **15-student classes**, creating strong foundations in coding principles.
· 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 screens in a ticket tracking 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 four teammates on a project, coordinating and guiding team members to ensure project execution.

PROJECTS

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
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 individual users and groups by using the GiftedChat library.

GPS Data Analysis
Java, Git · March 2023 – April 2023
· Constructed the TripPoint class to extract and analyze data from a triplog dataset gathered over a 3-day trip, using built-in Java functions.
· Calculated the total distance traveled during the trip, the average speed between two points, and other useful metrics to analyze data.

INVOLVEMENT

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.

SKILLS

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

Frameworks: React, React Native, Express.js, SCSS, Bootstrap

Developer Tools: Git, Google Cloud Platform, VS Code, Eclipse, Figma, Firebase, Firestore, MongoDB, UNIX