Raja Ahmed

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EDUCATION

University of Oklahoma   Norman, OK
Bachelor of Science in Computer Science   *Expected Graduation: May 2026*
- Courses: Data Structures and Algorithms, Artificial Intelligence, Software Engineering, Object Oriented Programming

TECHNICAL SKILLS

Languages: Python, C, C++, Java, C#, JavaScript, SQL, HTML/CSS
Frameworks & Libraries: React, React Native, Angular, .NET, Next.js, Bootstrap, Tailwind
Other: Git, Firebase, MongoDB, SDLC

EXPERIENCE

Software Engineering Intern   May 2025 – Present
ConocoPhillips   *Houston, TX*
- currently interning..

Software Development Intern   January 2025 – May 2025
American Fidelity   *Oklahoma City, OK*
- Built a compliance tracking app in **Angular** and **.NET** for 20+ managers and 100+ systems, increasing timely reports by 25%.
- Modernized a critical application by converting **10,000+ lines** of VB to **.NET**, reducing maintenance issues by 40%.

Undergraduate Research Assistant   July 2024 – December 2024
University of Oklahoma   *Norman, OK*
- Utilized Python to compile dataset of 9,000 YouTube comments stored in **Azure MySQL** to use in a machine learning model.
- Leveraged Qualtrics surveys to gather unbiased ground truth data on YouTube comments, improving dataset integrity by 70%.
- Developed a **Flask API** to automate database updates with survey responses, reducing manual data entry time by 80%

Software Developer   June 2024 – May 2025
OU UI/UX   *Norman, OK*
- Directed the development of an organization website using **React**, **Node.js**, and **MySQL** for over 250 club members.

Software Engineering Intern   August 2024 – December 2024
Data Institute for Societal Challenges   *Norman, OK*
- Led analysis for a $4M U.S. Gov. project, finding risks in supply chain and implementing solutions that reduce risk by 18%.
- Designed an algorithm using **NLP** to perform sentiment analysis on news articles, reducing manual review time by **40%**.
- Developed data visualization dashboards to show key risk metrics, enabling stakeholders to identify critical issues 20% faster.

Programming Instructor   November 2023 – August 2024
iCode   *Edmond, OK*
- Built strong OOP foundations in Java for 15-student classes, resulting in a **30% increase** in assessment scores.
- Assessed student progress with regular check-ins and provided feedback, leading to a **100%** class graduation rate.
- Crafted interactive coding projects to engage students, fostering hands-on learning and increasing class participation by 25%.

Software Engineering Intern   April 2023 – November 2023
UFLIP   *Moore, OK*
- Launched submission 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.
- Led a team of 3, coordinating and guiding team members through weekly meetings to launching the project **2 weeks early**.

PROJECTS

Predictive Drilling Optimization System | *Python, XGBoost, Pandas, Scikit-learn*   September 2024
- Engineered an ML model using XGBoost that predicts equipment failures, winning **3rd place** at the ConocoPhillips hackathon.
- Processed data from a REST API using Pandas, improving the ML model's accuracy to 86% and **reducing failures by 54%**.
- Applied feature engineering techniques to create new variables from existing data, increasing prediction accuracy by 12%.

Outline - Task Tracking Social Media | *React Native, Firebase, PostgreSQL, Git*   Feb. 2024
- Created a social media app using React Native with a team of 6, ensuring smooth functionality and an intuitive user experience.
- Optimized data management with Firebase and PostgreSQL, reducing auth errors by 13% and improving database reliability.
- Integrated Direct Messaging, enabling chat between users using the GiftedChat library, enhancing user experience by 52%.

LEADERSHIP

Executive Director   March 2025 – Present
Hacklahoma   *Norman, OK*
- Orchestrating and overseeing all logistical elements, resulting in a well-organized hackathon with **over 200 participants**.
- Directing a **team of over 20 members**, fostering a collaborative and efficient environment to achieve objectives on time.