Ameer Ghazal

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EDUCATION

University of Oklahoma, Norman, OK.　May 2026
Master of Science in Computer Science　*GPA: 4.0/4.0*

University of Oklahoma, Norman, OK.　December 2025
Bachelor of Science in Computer Science, Mathematics minor　*GPA: 4.0/4.0*
Coursework: Artificial Intelligence, Database Management Systems, Software Engineering, Machine Learning, Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Computer Security

SKILLS

Languages: Java, JavaScript, Typescript, Python, SQL, C#, NoSQL, C, C++, PHP, HTML/CSS, R
Frameworks: React.js, Next.js, Node.js, Flask, .NET, React Native, Flutter, SCSS
Tools: Git, Jira, Microsoft Azure, Google Cloud, Firebase, REST APIs, Linux/Unix, CI/CD, Swagger, Postman, Figma

RELEVANT EXPERIENCE

Software Developer Intern　September 2024 - Present
Paycom　*Oklahoma City, OK.*
- Develop an **automated** regression test, reducing manual test strain for QA and Developers with C#, React.js, and MySQL.
- Reduce manual testing by **40%** by comparing staging and production outputs, leading to a **25%** drop in post-release bugs.
- Streamline **SDLC** on ARTEmis with Kubernetes and JIRA with GitLab, managing **20+** tickets to enhance workflow.

Research Assistant　August 2024 - Present
University of Oklahoma　*Norman, OK.*
- Scrape **9,000+** comments using the **YouTube** API and Python, creating a robust dataset for **disinformation** detection.
- Utilize the Qualtrics API to distribute surveys, gathering insights from **200+** participants on disinformation perceptions.
- Leverage Flask API with Azure's MySQL to store filtered comments and survey responses for reliable **synchronization**.

Software Developer Intern　May 2024 - August 2024
Paycom　*Oklahoma City, OK.*
- Collaborated on a **Q&A web app**, utilizing React.js, C#, and MySQL, improving feedback for **8000+ employees**.
- Designed **50+** endpoints using REST APIs and Entity Framework within .NET, enhancing data retrieval by **25%**.
- Achieved **95%** test coverage using Jest and Postman, significantly improving code reliability and performance.
- **Won 1st place at firm-wide Hackathon** by creating a resume search tool that increased hiring efficiency by **5x** and improved retention rate by **50%**.

Software Engineer Intern　January 2024 - May 2024
OU Irani Center for the Creation of Economic Wealth　*Norman, OK.*
- Engineered an AI/ML **hospital app** using Flutter and Firebase, adopting **regression** models to predict wait times.
- Delivered real-time feedback to patients through data visualization and notifications, reducing wait times by **30%**.
- Unified UI with EPIC healthcare data filtered for relevant patient information with Qvera, cutting storage costs by **90%**.
- Elevated user satisfaction with feedback from a **50+** user group, adding a settings page, treatment info, and SMS updates.

Programming Instructor　November 2023 - May 2024
iCode　*Edmond, OK.*
- **Instructed** Python, C#, and project building with **50+** students, resulting in a **40%** increase in assessment scores.
- Led an OOP and time complexity module, with **90%** satisfaction and improved confidence in solving complex problems.

Software Engineer Intern　January 2023 - November 2023
UFLIP　*Moore, OK.*
- Launched a React ticket tracking web app, displaying a live-sale feed, advanced filtering, and more for **5000+** clients.
- Integrated event ticketing via an API, facilitating access to **3000+** international live events.

PROJECTS

Outline | *React Native, Python, Flask, PostgreSQL, Firebase, Git*　January 2024 - May 2024
- Supervised a six-member team in developing a social **mobile app**, featuring posts, accounts, search, and following.
- Implemented OAUTH2 with Firebase for cross-platform authentication, enhancing security and onboarding speed by **50%**.
- Optimized SQL queries via indexing and caching, reducing API response times from 500ms to 300ms, a **40%** improvement.

LEADERSHIP

Finance Director | Hacklahoma　June 2023 - Present
- Organize hackathons for **170+** students and **20+** companies, with over **$20,000** raised.

Web Developer | OU User Interface and Experience Club (UI/UX)　May 2024 - Present
- Construct a user-oriented website, employing Next.js, Node.js, and MySQL for **250+** club members.

Education Officer | OU Artificial Intelligence and Machine Learning Club (AI/ML)　May 2024 - Present
- Conduct weekly workshops for **300+** club members, covering diverse learning models and the history of AI/ML.