

# Anwar Shaik

## PROFILE SUMMARY

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Proactive and skilled computer science professional with more than 3.5+ years of practical experience in academics and industry. Completed a Master of Science in Computer Science from Wichita State University, graduating with a perfect GPA of 4.0. I have professional experience as a Senior Systems Engineer at Infosys Ltd, with experience in the development of user interfaces and backend programs using Palantir Foundry and TypeScript for United Airlines. I also I interned at CloudPivot Technologies LLC as a Full Stack React Developer on a CMS project. Here, I developed a workflow system using Netflix Conductor, ReactFlow, and React Redux. I worked as a Graduate Teaching Assistant, contributing to course planning, lecturing, and designing assessments, affecting over 35+ students. I am committed to putting my expertise to work toward contributing to really innovative projects in the field of computer science.

## SKILLS

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**Programming Languages:** Python, JavaScript, TypeScript, Java, Go, PHP, C, C++

**Web Development:** HTML, HTML5, CSS, Markdown, Responsive Web Design

**Frameworks:** React, Next.js, Node.js, Tkinter, Flask, Django, FastAPI, Spring, Spring Boot, Maven

**Libraries:** ReactFlow, React Redux, Moment.js, Math.js, Keras, Pandas, Matplotlib, Seaborn, OpenCV

**Database Management:** PostgreSQL, MySQL, MongoDB, DBMS, Elasticsearch

**Tools/Technologies:** CI/CD, Git, GitHub, GitLab, Palantir Cloud, AWS, Power BI, Docker, SonarQube, Jenkins, Postman, Confluence, Splunk, Soap-UI, J-meter

**Development Practices:** Test-Driven Development (TDD), Behavior-Driven Development (BDD)

## WORK EXPERIENCE

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### CloudPivot Technologies LLC

Leander, TX

*Full Stack React Developer Intern*

*Feb 2024 – May 2024*

- Engineered a workflow system using ReactFlow and React Redux, increasing user productivity by 40% and reducing manual workload by 30%.
- Developed backend logic using graph theory to generate Netflix Conductor-compatible workflows.
- Enhanced data management efficiency by 30% using PostgreSQL, compared to Excel. Implemented database optimizations and indexing strategies.
- Monitored and logged application performance using AWS CloudWatch, ensuring optimal operation and performance.
- Compiled various project documentation ensuring ease of future reference and fostering effective team collaboration
- Managed version control with Git and streamlined deployments using AWS CodeCommit.
- Styled the application with Bootstrap for a responsive user interface, improving accessibility across devices by 25%.

### Wichita State University

Wichita, KS

*Teaching Assistant - Perspectives on Data Science*

*June 2023 – May 2024*

- Planned, updated course materials, and facilitated discussions for 35+ students, leading to a 95% course satisfaction rate.
- Maintained weekly office hours and problem-solving sessions, ensuring personalized support and guidance.
- Designed and graded assessments and exams timely, providing detailed feedback that enhanced learning outcomes.
- Developed generative AI examples, showcasing cutting-edge technologies in practical settings, resulting in a 50% increase in student engagement.
- Assisted in the management of library resources, facilitated student access to academic materials, and supported library administrative activities. from June 2023 to Aug 2024

### Infosys Ltd

Hyderabad, India

*Senior Systems Engineer*

*Nov 2020 – Dec 2022*

- Utilized Palantir Foundry to build user interfaces for United Airlines, improving operational efficiency by 30%.
- Designed & implemented ETL processes with PySpark, significantly reducing data processing time by 40%.
- Gained extensive experience with JSON and XML data structures, facilitating seamless data transfer and integration between systems.

- Identified and resolved over 30 critical bugs, resulting in a 20% increase in user satisfaction and a 25% reduction in technical debt.
- Visualized key performance indicators (KPIs) to analyze the impact of cancellations, compiling them into a comprehensive dashboard using Palantir Contour.

**Electronics Corporation of India Limited**

Hyderabad, India

*Software Developer Intern*

*May 2018 – Aug 2018*

- Collected and analyzed electricity consumption data using Power BI and SQL, generating insightful reports aligned with business objectives.
- Maintained high-quality curated datasets, ensuring adherence to data governance principles for enhanced data integrity and reliability.
- Collaborated with cross-functional teams to enhance analytics capabilities and improve overall data quality, facilitating informed decision-making.

EDUCATION

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**Wichita State University**

Wichita, KS

*Master's in Computer Science, GPA: 4.0/4.0*

*May 2024*

- Enhanced student learning through effective teaching as a Graduate Teaching Assistant, securing a 75% scholarship for excellence.
- **Relevant Coursework:** Reinforcement Learning (CS-898BG), Software Analysis Methods (CS-898AE), Neural Networks and Deep Learning (CS-797O), Advanced Topics in Data Storage (CS-797K), Advanced Algorithms/Analysis on Graphs (CS-797P), Machine Learning (CS-770), Advanced Algorithms/Analysis (CS-721), Perspectives on Data Science (CS-746), Web Programming (CS-697AQ), Microsoft Power Business Intelligence (CS-697AR)

PROJECT EXPERIENCE

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- **License Plate Recognition:** Developed a robust license plate recognition system utilizing a multi-model approach, integrating YOLO model for plate detection and cropping, and text recognition techniques for identifying state and license plate numbers.
- **E-commerce Website:** Developed a clone of an e-commerce website using ReactJS and React Redux, implementing features such as user authentication, product listing, shopping cart, and checkout process. Styled the application using Bootstrap and integrated Firebase for backend services.
- **Simple CAPTCHA Recognition:** Developed a CAPTCHA recognition system using Convolutional Neural Networks (CNNs), utilizing Python and TensorFlow. Achieved significant accuracy in recognizing CAPTCHA images, employing advanced image pre-processing techniques.

HONORS & AWARDS

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- **75% Tuition Scholarship for Academic Excellence:** Wichita State University (2023 & 2024)
- **"AI and Emerging Technologies" Workshop:** TalentSprint and IIT Hyderabad 2019
- **3rd Place Winner:** Samyak 2019 University Hackathon