

# Ajith Chowdary Nuthalapati

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Open To Relocate | Open to Work (Remote, Hybrid, and On-site).

## EXPERIENCE

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### Software Engineer - Glenysys Technologies Inc.

Aug. 2023 – Jan. 2024

*Chicago, IL*

- Developed user-friendly hybrid applications using **JavaScript, Spring Boot and React** for optimal UX, while also completing maintenance tasks like ticket resolving and bug-fixing.
- Deployed highly scalable serverless applications on **AWS (Lambda, DynamoDB, RDS, etc.)** and utilized **AWS WA framework** to increase efficiency and performance by **14%**.
- Optimized operational efficiency by implementing **Maven and Jenkins** for streamlined workflows, reducing deployment time by **15%** and decreasing error rates by **25%** in **AWS and Snowflake** environments.

### Graduate Assistant - Iowa State University

Jul. 2022 – Dec. 2022

*Ames, Iowa*

- As a Teaching Assistant, Assisted Dr. MD Maruf Ahmed in coursework delivery and mentored **20+** students, contributing to programming assignments, exams, and recitations.
- As a Research Assistant, Contributed to developing and maintaining the Student Dashboard using **R, Shiny and SQL**. Optimized performance and enhanced UI/UX through rigorous testing and debugging, ensuring a **3-second decrease** in loading time.

### Software Engineer - Snagger India Pvt. Ltd.

Aug. 2019 – Feb. 2021

*Hyderabad, India*

- Led project of Snagger app with a team of 5, securing **90+** partner stores in **2 weeks**, driving a **5000+** user growth in **1 month**.
- Conducted thorough security enhancements with tools like Postman, Burpsuite, Wireshark, and Aircrack-ng, improving application security and performance by **20%**.
- Developed a scalable cloud-based IMS using **Spring, React, MongoDB**. Utilized **Postman, JMeter** for Testing.
- Led seminars for aspiring software engineers to share AR/VR and XR application knowledge.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, C#, JavaScript, HTML, CSS, SQL, PHP, Shell Scripting.

**Frameworks/Libraries:** Agile, Spring Boot, Gradle, Maven, Numpy, ReactJS, TensorFlow, Matlab, Service Now.

**Tools/Technologies:** Git, Docker, JUnit, AWS (S3, IAM, Lambda, CloudWatch, RDS, EC2, VPC, SNS, SQS), Cppcheck, SonarQube, GitHub, Wireshark, Jira, Trello.

**Cloud/Databases:** AWS, DynamoDB, CloudWatch, MySQL, Snowflake, MongoDB, GCP, SQL, NoSQL.

**OS:** Windows, MacOS, Kali Linux, Ubuntu, Red Hat.

## EDUCATION

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### Iowa State University

Ames, Iowa

*Master's in Cyber Security and Computer Engineering, 3.49/4.0*

*Aug. 2021 – May 2023*

### SRM University

Chennai, India

*Bachelor's in Computer Science and Engineering, 3.0/4.0*

*Aug. 2016 – Aug. 2020*

## PROJECTS

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### Advanced Analysis of Null Pointer Dereference in Linux

Fall, 2022

- Investigated and resolved a null pointer dereference in Linux by analyzing and comparing static analysis tools (**Cppcheck, Codechecker, Facebook Infer, SonarQube**) against the Juliet Test Suite for security enhancement. This process sharpened my expertise in static analysis and problem-solving skills in cybersecurity.

### Snagger App

Fall, 2019

- Led the development of the Snagger app featuring a disruptive hybrid online-offline model, providing unlimited access and exclusive discounts at our retail partners. This innovative approach is built using (**Flutter, Java, Heroku, MongoDB, C#, AWS**), delivering unique value and customer experience, positioning the app for market leadership.

### Driver Drowsiness Detection

Fall, 2018

- Developed a vehicle safety system to prevent driver accidents using real-time facial and eye movement analysis.
- Implemented Sobel Edge Detection, Viola-Jones Algorithm for facial recognition, and K-Means Clustering to assess driver alertness based on eye and mouth status.