

Ajith Chowdary Nuthalapati

515-460-2747 | nac59@outlook.com | [linkedin.com/in/ajithchowdary149](https://www.linkedin.com/in/ajithchowdary149) | [GitHub](https://github.com/ajithn) | ajithn.com

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

EXPERIENCE

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 **5k+** 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.
- Lead seminars for aspiring software engineers to share knowledge of AR/VR and XR applications.

TECHNICAL SKILLS

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

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

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.