

# Ajith Chowdary Nuthalapati

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

## EXPERIENCE

### Software Engineer - Glenysys Technologies Inc.

Aug. 2023 – Jan. 2024

Chicago, IL

- Built user-friendly web applications with optimal UX and maintainability, leveraging **AWS (EC2, S3, RDS)** for scalability and security.
- Experienced in containerization (**Docker**) and automation tools (**Maven, Jenkins**) for efficient development, deployment (**15% faster delivery, 25% less errors**), and maintenance.
- Developed and maintained hybrid applications and deployed highly scalable serverless applications on AWS (**14% efficiency/performance gain**)

### 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 – July. 2021

Vijayawada, India

- Led mobile app development team securing **90+** partnerships and driving **5000+** user growth (Snagger App)
- Developed high-performance web applications (**PHP, JavaScript, React**), reducing access time by **50%**.
- Built scalable cloud-based IMS (**Java, Spring Boot, React, AWS, MongoDB**) and optimized AWS infrastructure (**EC2, Terraform**) for cost reduction.
- Owned development processes with automation (**Git, Ansible, Jenkins**) and clear communication.

## TECHNICAL SKILLS

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

**Frameworks/Libraries:** Agile, Spring Boot, Hibernate, 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, MySQL, Snowflake, MongoDB, GCP, SQL, NoSQL.

## 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.

### Snagger AR

Fall, 2020

- \* A hybrid application that offers a platform for clients in the Construction, Furniture, and Manufacturing industries to showcase their projects, aiming to broaden their customer reach. Built using **Android Studio, Unity, C#, Java, Objective-C, MAXST and Blender**.