

# Ajith Chowdary Nuthalapati

515-460-2747 | [ajithnuthalapati@outlook.com](mailto:ajithnuthalapati@outlook.com) | [linkedin.com/in/ajithchowdary149](https://www.linkedin.com/in/ajithchowdary149) | [GitHub](#) | [ajithn.com](http://ajithn.com)

## 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.
- Implemented highly scalable serverless applications on **AWS (Lambda, DynamoDB, RDS, etc.)** for efficient storage, security, monitoring, and database management.
- Streamlined workflows with **Maven/Jenkins** and utilized containerization (**Docker, Kubernetes**) for seamless deployments to **AWS and Snowflake**, achieving robust infrastructure.

### 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 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 **5,000+** user base 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 (**Spring, React, MongoDB**). Utilized **Postman, JMeter** for Testing.
- Lead seminars for aspiring software engineers to share knowledge of AR/VR and XR applications.

### Software Intern - Code Beat Pvt. Ltd.

May. 2018 – Aug. 2018

*Hyderabad, India*

- Developed an IoT remote-controlled car with **Arduino** integration.
- Built and programmed sensor-driven projects, including hand-gesture-controlled and smart lighting.
- Gained proficiency in TCP/IP, Networking Technologies, and SSL Certificate.
- Expertise in network configuration, OSI troubleshooting, and IPv4 addressing schemes.

## 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.

### 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.