# AJITH CHOWDARY NUTHALAPATI

+1 (515) 460-2747 | ajithchowdarynuthalapati@gmail.com | linkedin.com/in/ajithchowdary149/ | ajithn.com/

## PROFESSIONAL SUMMARY

- Possesses strong full-stack development expertise with experience designing, developing, and deploying **scalable** web applications.
- Proven ability to leverage cloud platforms **(AWS, GCP)** to build efficient and secure software solutions.
- Skilled in various technologies, including **Java, C#, .NET, JavaScript, Spring Boot, React, HTML, CSS,** and **Agile** methodologies.
- An enthusiastic team player with a passion for **innovation** and **problem-solving**.
- **3+ years of experience** developing web apps, mobile apps, and AR/VR apps, specializing in **full-stack** and **cloud technologies**.
- Proven ability to **lead** development teams and manage complex projects from inception to deployment.
- Passionate about leveraging technology to solve real-world problems and drive business growth.

## PROFESSIONAL EXPERIENCE

**Glenysys Technologies Inc**                                                                            **Aurora, IL, USA**
*Software Engineer*                                                                            *August 2023 - January 2024*
- Developed and maintained user-friendly, scalable web and hybrid applications using React, Spring Boot, JavaScript, Docker, and AWS (EC2, S3, RDS, Lambda, DynamoDB).
- Optimized development and deployment workflows using Maven and Jenkins, achieving 15% faster deployments and 25% fewer errors (AWS, Snowflake).
- Implemented agile project management practices using Jira, Trello, Cron, and SQL Server Agent for improved collaboration, system reliability, and defect resolution.
- Experienced in containerization (Docker) and automation tools (Maven, Jenkins) for efficient deployment and maintenance.
- Developed and maintained hybrid applications using ASP.Net, Web logic, web forms, MVC, and PowerApps, enhancing user experience and operational efficiency.

**Iowa State University**                                                                            **Ames, IA, USA**
*Graduate Teaching Assistant*                                                                            *August 2022 - December 2022*
- Guided 20+ undergraduate students as a Teaching Assistant, improving proficiency in C programming and Enhancing coding, design, and debugging skills.

**Iowa State University**                                                                            **Ames, IA, USA**
*Graduate Research Assistant*                                                                            *July 2022 - December 2022*
- Led the implementation and upkeep of the Student Dashboard utilizing R, RStudio, SQL, and MySQL.
- Optimized the dashboard with updates via the university's Linux server, resulting in an 8-second decrease in loading time.
- Enhanced the overall UI/UX by rigorously testing and debugging to ensure optimal user experience.

**Snagger India Pvt. Ltd.**                                                                            **Vijayawada, Andhra Pradesh, India**
*Software Engineer*                                                                            *August 2019 - July 2021*
- Led a high-growth mobile app project (Snagger), securing 90+ partners and driving 5000+ user growth in 1 month.
- Delivered scalable, high-performance web and mobile applications (React, Spring, JavaScript, PHP) using cloud platforms (AWS, MongoDB) and automation tools (Git, Ansible, Jenkins).
- Utilized secure software development practices (code reviews, security testing tools) for a 20% security improvement.
- Optimizations boosted project efficiency by 20%, leading to enhanced UX and improved customer satisfaction.
- Developed high-performance web applications (PHP, JavaScript, React), reducing access time by 50%.
- Built and managed scalable cloud-based systems using Java, Spring Boot, React, AWS, SQL, and
- MongoDB, optimizing infrastructure and ensuring seamless data synchronization through external API.

**Code Beat Pvt. Ltd.**                                                                            **Hyderabad, Telangana, India**
*Software Intern*                                                                            *May 2018 - July 2018*
- Engineered an IoT-enabled remote car using Arduino, implementing gesture recognition for navigation.
- Built and programmed sensor-driven projects, including hand-gesture-controlled and smart lighting.
- Gained proficiency in TCP/IP, Networking Technologies (LAN, WLAN, WAN).
- Acquired expertise in network configuration, OSI troubleshooting, and IPv4 addressing schemes

## EDUCATION

**Iowa State University**                                                                            **August 2021 - August 2023**
*Master's, Computer Engineering*                                                                            *GPA: 3.49*
- Graduated with a dual major in Computer Engineering and Cyber Security.

**Other**                                                                       July 2016 - May 2020
*Bachelor's, Computer Science*                                                              *GPA: 3*
-   Graduated with a major in Computer Science and Engineering

## PROJECTS

**Advanced Analysis of Null Pointer Dereferences in Java**                      **Ames, IA, USA**
*Student*                                                        *August 2022 - December 2022*
-   Investigated the causes and potential solutions for null pointer dereferences, a common Java vulnerability.
-   Empirically evaluated the effectiveness of static analysis tools (Cppcheck, Codechecker, Infer, SonarQube, and SpotBugs) in detecting null pointer exceptions using the Juliet Test Suite.
-   Analyzed the precision and false-positive rates of these tools, gaining critical insights into their capabilities.
-   Enhanced understanding of software vulnerabilities in Java and the importance of accurate vulnerability detection for cybersecurity.

**Snagger App**                                              **Vijayawada, Andhra Pradesh, India**
*Software Engineer*                                             *August 2019 - February 2021*
-   A mobile application that presents a distinctive hybrid model, adeptly merging online and offline components
-   Subscribers are afforded the opportunity to avail themselves of exclusive discounts at our esteemed retail partners
-   A key differentiator of our business model is the unrestricted usage during the subscription tenure, offering exceptional value to our clientele
-   This avant-garde strategy positions us uniquely in the marketplace, providing a thorough and gratifying consumer experience.
-   *Link to project*

**Snagger AR App**                                                      **Vijayawada, AP, India**
*Software Engineer*                                               *May 2019 - January 2021*
-   Create an AR application where our clients (from the construction, manufacturing, and designing industries) showcase their projects to attract more customers and increase their sales
-   Build using Unity 3D, MAXST, C#, Java SDK and Andriod SDK.

**Vehicle Safety System through Drowsiness Detection**                  **Chennai, Tamil Nadu, India**
*Student*                                                                       *2018 - 2018*
-   Developed a real-time driver drowsiness detection system using Matlab.
-   Employed image processing techniques (Sobel Edge Detection, Viola-Jones Algorithm, K-Means Clustering) to analyze facial and eye movements.
-   Calculated a drowsiness index to predict accidents and enhance vehicle safety. Demonstrated the effectiveness of image processing algorithms in preventing accidents due to driver drowsiness.

**Reprogrammer RC Car**                                                   **Hyderabad, TG, India**
                                                               *August 2018 - September 2018*
-   Modified a commercial remote-controlled car for obstacle evasion, replaced the motor for increased speed, and integrated a gesture recognition sensor for hand signal responsive stopping.

## SKILLS

**Skills:** Android Development, AWS, C#, Data Structures & Algorithms, Docker, Flutter, Google Cloud Platform, Heroku, JavaScript, JIRA, Jupyter, Git, HTML/CSS, Java, PowerShell, Linux/Unix, C/C++, MongoDB, MySQL, NumPy, Pandas, PHP, Objective-C, Postman, Pytorch, SQL, Python, UI/UX Design, Web Development, NoSQL, Firebase, TCP/IP, Maven, Snowflake, Spring, Spring Boot, Gradle, Cppcheck, Codechecker, SonarQube, S3, RDS, Redshift, SNS, SQS, EC2, VPC, IAM, DynamoDB, Lambda, CloudWatch, Snowflake, NoSQL, SQL, Wireshark, Apache Maven, Blender, JUnit, Postgres, RDBMS, R, React Native, ServiceNow, Tensorflow, Tomcat, Unreal Engine, WebLogic, Wordpress, Agile, SCRUM, KANBAN, Unix Shell Scripting, Bash, MySql, SSMS, Unity 3D, Machine Learning, .NET