# Jagruthi Pullaiahgari

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## SUMMARY

Software Engineer with hands-on experience in full-stack and frontend development using React, Java, Spring Boot, and RESTful APIs. Strong foundation in Agile/Scrum methodologies, cloud platforms, and scalable application design. Exposure to AI and Generative AI concepts through machine learning, NLP, and data-driven projects. Proven ability to collaborate across cross-functional teams and deliver impactful software solutions. **Note: Willing to relocate as required**.

## EDUCATION

**Master of Science in Computer Science**                                                    **Aug 2023 – May 2025**
University of North Texas, Denton, TX

**Bachelor of Technology in Computer Science and Systems Engineering**          **Aug 2019 – May 2023**
Sree Vidyanikethan Engineering College, Tirupathi, India

## PROFESSIONAL EXPERIENCE

### Application Developer Intern                                                                Jul 2022 – Dec 2022

**Salesforce**                                                                                    Andhra Pradesh, India

- Improved backend performance and overall user experience by 20% by debugging Apex services, optimizing business logic, and refactoring inefficient components within a cloud-based SaaS platform.
- Developed and enhanced scalable features using Java, Apex, and Lightning Components within a cloud-based SaaS platform.
- Designed and tested RESTful APIs using Postman and JUnit to ensure cross-system data consistency and reliability.
- Worked in an Agile/Scrum team environment, participating in sprint planning, code reviews, and retrospectives.
- Supported release readiness and production stability by assisting with testing, validation, and issue resolution during feature rollouts in a cloud-based SaaS environment.

### Web Developer Intern                                                                        Jan 2022 – Jun 2022

**Bruhashith**                                                                                    Andhra Pradesh, India

- Reduced page load time by 30% by building scalable, responsive frontend web applications using HTML, CSS, JavaScript, and Angular, improving performance across devices.
- Collaborated with backend engineers to integrate REST APIs and deliver dynamic, data-driven user interfaces.
- Strengthened accessibility and visual consistency by applying UI/UX best practices and responsive design principles across multiple web pages.
- Improved collaboration efficiency and development quality by working closely with backend engineers to align frontend behavior with API contracts and data models.
- Improved frontend code structure and reusability by organizing components efficiently and adhering to standard JavaScript and Angular development practices.

## TECHNICAL SKILLS

- **Frontend:** React(Hooks, Context API), Angular, HTML, CSS, Responsive Web Design, UI/UX Principles
- **Backend:** Spring Boot, Node.js, RESTful APIs, OAuth2, Firebase
- **Programming Languages:** Java, Python, JavaScript, C++, SQL
- **Databases**: MySQL, PostgreSQL, MongoDB
- **DevOps & Tools:** Git, GitHub, Docker, Jenkins, IntelliJ IDEA, Postman, JUnit
- **Data & Visualization:** Tableau, Power BI, Excel, Pandas, Matplotlib
- **Methodologies:** Agile/Scrum, SDLC, Object-Oriented Design, Multithreading, Jira
- **Cloud & Platforms:** AWS, Microsoft Azure (Azure SQL Database, Azure Data Lake), Salesforce

## ACADEMIC PROJECTS

**Elevator System Simulation** (Java, Google Colab, Jupyter Notebook)

- Built a Java-based elevator control simulation modeling real-time scheduling, load balancing, and concurrency constraints. Evaluated system behavior under peak traffic conditions to assess performance and scalability.

**Cyber Security Attack Dashboard** (Tableau, Python, Excel)

- Automated ETL pipeline to transform threat data into Tableau dashboard, cutting reporting by 50%,enhancing visibility.

**Task Manager** (React, Spring Boot, Firebase)

- Built and optimized reusable, state-driven React components using Hooks (useState, useEffect), memoization, lazy loading, and client-side validation to improve performance, reduce unnecessary re-renders, and enhance overall user experience.

**Bitcoin Price Movement Prediction Based on News** (Python, NLP, Machine Learning)

- Built a sentiment driven model to forecast Bitcoin trends using ETL processes from news APIs. Visualized outputs with Matplotlib and Seaborn. Achieved 83% accuracy.

## PUBLICATIONS

**A Secure and Proficient Provable Data Procurity with Privacy Protection in Cloud Storage**
Published the work at the IEEE ICCCI 2023 Conference (DOI:10.1109/ICCCI56745.2023.10128477)

## CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Gen AI Professional | AWS | Google Data Analytics | Agile Methodology