

# Mahathi Bandari

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## TECHNICAL SKILLS

**Programming Languages:** Java(J2EE), Python, JavaScript, TypeScript, C++, C#

**Web Technologies:** HTML5, CSS, Bootstrap, PHP, D3.js, Angular JS, React, Angular, Spring MVC, Spring Boot, Flask, Node.js, ES6, JSP, AJAX, Hibernate

**Databases:** SQL, MySQL, Postgres, MongoDB

**Tools:** Jenkins, Git, Docker, Kafka, Postman, JIRA, Confluence, AWS, Azure, Postman, Kubernetes

## WORK EXPERIENCE

**Software Engineer**, Randstad- Salem Automation Inc

**January 2025 - Present**

- Designed and implemented a scalable Python application within the Ignition platform, integrating RESTful APIs to enable seamless data exchange and improving system performance by 25%.
- Managed build artifacts by integrating with JFrog Artifactory, streamlining the CI/CD pipeline.

**Software Engineer Assistant**, University of North Carolina, Charlotte

**August 2023 - May 2024**

- Developed a Social Media platform using React.js, Material UI, and Node.js enabling users to add, delete, and comment on photos and optimized MongoDB schema for efficient data storage and retrieval.
- Deployed scalable EC2 instances with auto-scaling and load-balancing for high availability and traffic management.
- Led Agile teams, defined user stories, and coordinated meetups, driving a 20% boost in collaboration and 15% rise in efficiency.

**Software Engineer**, NCR Corporation

**January 2020 - December 2022**

- Developed the "Builder" product, an NCR ATM solution for creating flows and directing interface screens utilizing Angular for the front-end UI, Spring Boot on the back-end, and integrating with a PostgreSQL database.
- Enhanced ATM solution UI with Angular migration, yielding a 10% performance boost. Streamlined load times and interactions of screens with responsive design.
- Engineered morphs microservice using RESTful APIs, reducing efforts for creating ATM screens by 50%, and presented processes to communicate with stakeholders effectively.
- Built shell scripts and pipelines for Jenkins, Git, and Docker, cutting errors by 21% and documented processes for consistency.
- Upheld code quality with Protractor and JUnit, achieving 92% code coverage while also enforcing rigorous code review practices.
- Documented test results with meticulous attention to detail, facilitating effective coordination with cross-functional teams.

**Software Engineering Intern**, Virtusa

**May 2019 - July 2019**

- Created a coding platform using ReactJS, NodeJS, and MySQL, with custom IDEs and integrated compilers, engaging over 500 users and fostering skill development and collaboration.
- Curated a dashboard to categorize 100+ coding problems, monitored KPIs, and enhanced user access to practice exercises.
- Crafted detailed coding performance analytics using MDB Bootstrap Charts for informed decision-making.

**Software Engineering Intern**, Amazon

**February 2019 - May 2019**

- Developed a PHP-based QR code system for generating and managing shipment labels, optimizing the transportation process.
- Integrated the system with existing logistics platforms, significantly enhancing shipment processing speed and accuracy.

## ACADEMIC PROJECTS

### Covid-19 Dashboard

**May 2023**

Created an interactive COVID-19 dashboard using D3.js featuring a map displaying case and vaccine data, line graphs, and scatter plots showing trends and correlations between state GDP and vaccination rates.

### Sentiment Analysis of Code Mixed Languages

**December 2023**

Developed a model using Python for real-time sentiment analysis of code-mixed languages with TextBlob and created a Flask UI to display classifications as "Positive," "Negative," or "Neutral."

### Fest Management

**September 2022**

Orchestrated the creation of an intuitive event registration site and secure payment processing systems using React, and Node.js.

## EDUCATION

**MS in Computer Science - University of North Carolina at Charlotte (CGPA - 4.0/4.0)**

**January 2023 - May 2024**

**Relevant Courses:** Software System Design Implementation, Information Visualisation, BigData Analytics, Cloud Computing, Data Mining

**BTech in Computer Science - Jawaharlal Nehru Technological University (CGPA - 3.7/4.0)**

**August 2016 - May 2020**

**Relevant Courses:** Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Web Technologies, Database Systems

## CERTIFICATIONS

- Scored 90% on the Oracle Certified Associate (OCA) Java SE 8 Programmer certification exam conducted by Oracle.-
- Certified as an AWS Solutions Architect – Associate.