

# PREETHAM TAMMANA

Charlotte, NC | 980-553-0790 | [maruthiram.tammana@gmail.com](mailto:maruthiram.tammana@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [AWS-SA](#)

## EDUCATION

University of North Carolina, Charlotte, NC, USA  
Master of Science in Information Technology (GPA – 3.7)

Jan 2022 – May 2023

## TECHNICAL SKILLS

**Languages** : Java, JavaScript, Python, TypeScript, Golang, Scala  
**Frontend** : Angular, React, Next.js, Node.js, Redux, AJAX, HTML, CSS, SCSS/SASS, Figma, Bootstrap  
**Backend** : Spring Boot, Express.js, Node.js, REST API, SOAP, GraphQL, Kafka, Apache Tomcat, Junit  
**Databases** : MySQL, PostgreSQL, MongoDB (NoSQL), Microsoft SQL Server, Redis, Hibernate (ORM)  
**Cloud/DevOps** : Amazon Web Services (AWS), Docker, Kubernetes, Jenkins, Terraform  
**Other Tools** : Git, GitHub Actions, GitLab, JIRA, Maven, Postman, Eclipse, Visual Studio Code, Mockito, BitBucket

## WORK EXPERIENCE

### Software Developer, Eranova AI, Charlotte, USA

Mar 2024- May 2024

- Engineered a dynamic and responsive web application using the Django framework, HTML, CSS, and JavaScript, incorporating Ajax functions for dynamic interactions, resulting in a seamless and engaging user experience.
- Designed and implemented a robust architecture for a SharePoint Syncing application leveraging AWS components such as S3, Lambda functions, Auto Scaling, and asynchronous operations, ensuring scalability and high availability in Agile methodology.
- Integrated advanced machine learning models using TensorFlow.js and ML5.js for real-time supervised and unsupervised data segregation, significantly enhanced client data analysis and decision-making capabilities. Achieved 120% increase in syncing time of files in Eranova cloud.

### Java AWS Developer, McKesson, Rockhill, USA

June 2023- Feb 2024

- Contributed to the development and optimization of McKesson Vendor portal by collaborating with DevOps and Testing teams.
- Architected cloud solutions using AWS services like EC2 and S3, implemented auto-scaling groups, and load balancers to ensure high availability and performance. Developed interactive UI components with Angular and streamlined REST API interactions.
- Designed secure cloud architectures using AWS VPC and IAM policies. Developed a custom JavaScript framework for interactive dashboards and utilized Angular services for secure API transactions, resulting in a 30% improvement in data security and performance.
- Achieved 100% uptime for application by optimizing the workflow engine and implementing robust monitoring tools.

### Application Development Analyst , Accenture, Hyderabad, IN

May 2019 - Dec 2021

- Collaborated with cross-functional teams for Full Stack Development of Metrolinx Transportation Platform. Successfully delivered 4 development projects, and tracked & debugged 30+ complex production bugs.
- Architected a scalable backend system using Spring Boot, enabling the application to handle a 120% increase in concurrent user requests efficiently. Implemented Jenkins for continuous integration, reducing manual effort by 50% and accelerating release cycles with automated build and deployment processes.
- Developed responsive chatbot APIs with OAuth authentication and host based authentication for IOT devices, ensuring secure and reliable interactions. Implemented a distributed caching layer using Redis, reducing data access latency by 40% and database load by 30% across microservices.
- Crafted engaging services catalogs, Different Cards usage, and Transaction History (Angular/TypeScript/CSS), boosting engagement by 20%, revamped Landing homepage with navigation of 3 different service providers including purchase and profile options, increasing customer satisfaction by 30%.
- Optimized asset delivery by implementing lazy loading for large images and videos, improving page load times by 20%, enhanced performance by implementing On-Push change detection and PWA features in Angular components, reducing unnecessary renders.
- Developed an automation tool to shorten the testing period of the CRE engine, resulting in a 328% increase in testing efficiency.

## Academic Projects

### Medical Appointment System

- Developed a robust MEAN stack application with a RESTful API, integrating MongoDB for data management and implementing JWT-based authentication for secure user access and role-based permissions.
- Utilized Angular with Redux for efficient state management and responsive design, ensuring seamless user experience across devices, and implemented CI/CD pipelines with Docker and Jenkins for automated testing, building, and deployment.

### Apex Game Trading Web Application

- Engineered a MEAN stack application featuring real-time item browsing and trade requests using Angular for dynamic UI, Node.js and Express for backend logic, MongoDB for database management, and Socket.io for real-time communication.