

# Tarun Kumar Pothineni

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## PROFESSIONAL SUMMARY

Experienced Full Stack Developer with 2.5 years of industry experience, currently pursuing my MS in Computer Science at State University of New York at Binghamton. Proficient in innovative solutions enhancing revenue growth and customer experience across multiple programming languages.

## EDUCATION

<b>Master of Science in Computer Science</b> <i>State University of New York, Binghamton , NY GPA 3.914/4.00</i>	Aug 2023 – May 2025 <i>Binghamton, NY</i>
<b>Bachelors of Technology in Electronics and Communication Engineering</b> <i>The LNM Institute of Information Technology GPA 3.20/4.00</i>	Aug 2017 – Jun 2021 <i>Jaipur, India</i>

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++ , HTML, CSS, JavaScript, Angular  
**Databases:** VOLTDB, Singlestore, PostgreSQL, SQL, MySQL, NoSQL  
**Frameworks:** Spring Boot, Hibernate, Apache Kafka, Bootstrap, Maven, Kubernetes, Docker, CI/CD, GRPC, Jenkins  
**Developer Tools:** Git, VS Code, Eclipse, DBeaver, Postman, AWS, Selenium, Tomcat, Bitbucket, Kibana, Grafana, Jira, Excel  
**Project Management:** Agile, WaterFall  
**Operating System:** Windows, MacOS, Linux, Ubuntu

## EXPERIENCE

<b>Senior Engineer</b> <i>Comviva</i>	Dec 2022 – Jul 2023 <i>Bangalore, India</i>
<ul style="list-style-type: none"><li>Effectively conducted a Proof of Concept to upgrade the database, achieving a noteworthy 66% cost reduction and a 15% increase in efficiency compared to VOLTDB. Simultaneously, proficiently migrated 23 microservices to Singlestore.</li><li>Developed and implemented an inventive Purchase History-based Offer Holdout feature, which played a pivotal role in a 17% surge in client revenue by intelligently avoiding unnecessary offers to recent customers.</li><li>Integrated all microservices with Consul instead of relying on external configuration files, rendering the product compatible for multiple deployments and enabling seamless inter-service communication among the microservices.</li></ul>	
<b>Engineer</b> <i>Comviva</i>	Jul 2021 – Nov 2022 <i>Bangalore, India</i>
<ul style="list-style-type: none"><li>Revamped an existing microservice by implementing caching, streamlining database queries, and optimizing code, achieving an impressive 71.4% decrease in the time required to deliver customer offers.</li><li>Developed a microservice that delivers personalized customer offers based on handset interactions with a 100% success rate, and provided it to the client 9 days before the agreed-upon deadline.</li><li>Optimized the queries in the microservice interacting with PostgreSQL, resulting in a 600ms reduction in output response time.</li><li>Expertly debugged and resolved over 500 real-time bugs during client server deployment.</li></ul>	
<b>Engineer Trainee (Internship)</b> <i>Comviva</i>	Jan 2021 – Jun 2021 <i>Bangalore, India</i>
<ul style="list-style-type: none"><li>Developed a microservices-based system with the objective of presenting all eligible offers to customers in the mobile application through REST-API. The system utilizes data from profiles and campaigns stored in PostgreSQL.</li></ul>	

## PROJECTS

<b>HandWritten Digits Recognition</b>   <i>Python, CNN, TensorFlow Lite, Java, Android Studio</i>	Sept 2023 – Dec 2023
<ul style="list-style-type: none"><li>Developed an Android app using Java and TensorFlow Lite to predict handwritten digits with a custom CNN model, achieving 98.97% accuracy and a maximum latency of 2ms.</li><li>Evaluated inbuilt models such as ResNet50, LeNet, and MobileNetV3, achieving accuracies of 98.55%, 98.42%, and 96.64% respectively.</li><li>Implemented a robust machine learning solution with a 4-layer CNN, trained over 7 epochs using Adam optimizer and dropout regularization, outperforming traditional models.</li></ul>	