

Harshith Pokala Muni

☎ +1(716)-903-4489 | ✉ pmharshith99@gmail.com | [🌐 linkedin.com/in/harshith-pokala-muni](https://www.linkedin.com/in/harshith-pokala-muni)

EDUCATION

University at Buffalo, The State University of New York

Buffalo, NY

Master of Science in Computer Science. GPA - 3.88/4

August 2022 – January 2024

Courses: Analysis of Algorithms, Information Retrieval, Modern Networking Concepts, Blockchain, Reinforcement Learning

National Institute of Technology Rourkela

Rourkela, India

Bachelor of Technology in Computer Science. CGPA - 7.8/10

August 2016 – June 2020

Courses: Data Structures And Algorithms, Artificial Intelligence, Operating Systems, Computer Networks, Database Systems

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, jQuery, Solidity.

Databases: SQL, MySQL, NoSQL, MongoDB, PostgreSQL, Redis.

Developer Tools: Kubernetes, Git, GCP, AWS, Jenkins, SonarQube, Grafana, Kafka, Postman, Apache Solr, Figma, Jira, Nginx, Wireshark, Maven, CI/CD.

Technologies: HTML, CSS, RESTful APIs, Spring Boot, JUnit, Flask, ReactJS, Firebase, Object-Oriented Programming, JSON.

EXPERIENCE

OYO Rooms

August 2020 – June 2022

Software Development Engineer- I

Hyderabad, India

- Revamped a job scheduling microservice responsible for executing scheduled jobs. Migrated database from Amazon DynamoDB to MongoDB and horizontally scaled a Spring microservice using sharding, resulting in a significant 70% reduction in p99 latency.
- Developed a Java SDK to intercept incoming and outgoing REST API calls, validate the JWT token sent in requests, and set tenant context for ~ 20 Multi-tenant Spring Boot applications.
- Led the development of a Spring microservice to send real-time web push notifications using Firebase Cloud Messaging, achieving an average response time of less than 250ms.
- Engaged with platform team to integrate push notifications into company's internal ticket management service, resulting in a 40% decrease in user queries and improved efficiency.
- Collaborated with a cross-functional team to initiate the development of an in-house text translation system resulting in a 90% reduction in translation time. Integrated Google APIs to facilitate live translation.
- Led an initiative to optimize resource consumption of Spring microservices as a cost-cutting measure saving around \$10000 a year.

Electronics Corporation of India Limited

May 2019 – July 2019

Intern

Hyderabad, India

- Built an Android application for providing support for online payments of Municipal Taxes and other services utilizing Java, Android Studio and Firebase.

PROJECTS

Multi-topic Information Retrieval Chatbot | *Python, Apache Solr, GCP, Flask, HTML, Reddit, Chit-Chat*

- Spearheaded design and development of a chatbot using information retrieval techniques to respond to conversational and informational queries with Python and Flask.
- Leveraged Apache Solr's faceted search functionality to answer informational queries and incorporated a sentence transformer model to retrieve relevant responses.

Decentralized Domain Name Marketplace | *Solidity, JavaScript, HTML, CSS, ReactJS, AntDesign, Figma*

- Developed a decentralized application utilizing ERC721 standards to tokenize domain names into non-fungible tokens (NFTs), enabling seamless listing for sale and auction.
- Implemented a robust functionality for managing and transferring ownership of domain name NFTs on a blockchain network.

Classifieds Application | *Java, Android Studio, Firebase*

- Created an Android Classifieds application where a user can Buy, Sell or Rent products. It is built using Java, Android Studio and Firebase Realtime Database.