Harshitha Tumkur Kailasa Murthy

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EDUCATION

Boston University | Boston, MA — Expected December 2023
MS in Computer Science
Coursework: Object Oriented Software Principles and Design using Java, Graduate Databases and Graduate Algorithms

Nitte Meenakshi Institute of Technology | Bangalore, India
BE in Computer Science

SKILLS

Programming Languages	JavaScript, Java, Python
Web Frameworks	node.js, express.js, react.js
Technical	Docker, Git, HTML, CSS, Agile, API's design principles, microservices, Client-side profiling, Load Testing, JMeter, Grafana, Scrum, JIRA, Confluence
Database	PostgreSQL, MySQL, Firebase, MongoDB, NoSQL
Certifications	UI/UX Beginner

WORK EXPERIENCE

Lowe's India | Bangalore, India — *July 2018 - August 2022*
Software Engineer

- Led different phases of development and performance engineering. Built frequently used in-house python utilities, Java framework for Kafka publisher and consumer modules.
- Designed and developed microservices for frameworks that were used for in-house projects.
- Was in-charge of handling meetings and gathering requirements from various stakeholders.
- Engaged in performance engineering components such as test planning, designing, scripting, execution, Analysis, finding bottlenecks, and recommending infrastructure level changes.
- Project Domains: Demand and Fulfillment, Enterprise Kafka testing, Kafka MQTT.
- Was part of Technical Interview Board, conducted interviews for multiple positions in our team.

PROJECTS AND PUBLICATIONS

Project Management website for Boston University PMReady Club.

Optimal Sensor Deployment and Battery Life Enhancement Strategies to Employ Smart Irrigation Solutions for Indian Agriculture.

- Lightening Talk and exhibited a demo at Grace Hopper Celebrations 2019.
- Paper Published at Springer, Singapore.

Cloud Based Data Analytics and Monitoring of Smart Multi-level Irrigation System Using IoT.

- Presented and published at Indian Institute of Science Bangalore at ISSS journal.
- Paper Published at IEEE I-SMAC Conference (INSPEC Accession Number: 17224897).

AWARDS AND VOLUNTEER EXPERIENCE

- SPOT Awards and Team Award - Lowe's India, 2021 - 2022
- UG Student Award, Indian Institute of Science, Bangalore.
- EdLodge Foundation - Worked as an assignment manager for helping kids to learn better and also a member of the Interview Board to ensure the quality to teach kids at this NGO.