

Niharika Deshmukh

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EDUCATION

University at Buffalo, The State University of New York

Buffalo, NY

Master of Science in Computer Science. GPA - 3.71/4

Aug. 2022 – Expected Dec. 2023

Courses: Distributed Systems, Database Systems, Analysis of Algorithms, Blockchain, Reinforcement Learning

College of Engineering Pune

Pune, India

Bachelor of Technology in Computer Science. GPA - 7.15/10

Aug. 2016 – May 2020

Courses: Data Structures, Operating Systems, Computer Networks, Artificial Intelligence, Web Services And Technology

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL, Go, JavaScript, Solidity, HTML/CSS

Frameworks: React, Node.js, Angular, JUnit testing, Spring Boot, CodeIgniter

Databases and Cloud: MySQL, MongoDB, PostgreSQL, Redis, Hive, Amazon Web Services, Azure, NoSQL

Technologies: Elasticsearch, Grafana, Kafka, Restful API Development, Object-Oriented Programming, Linux, Unix, Kubernetes, Microservices, Hibernate, Maven, JSON, TCP/IP, Git, Docker, Postman, Jira, Figma, Jenkins.

EXPERIENCE

OYO Rooms

Bangalore, India

Software Development Engineer I

Aug. 2020 – July 2022

- Led development of an instant wallet refund feature using Java, achieving a 15% improvement in average refund turnaround time for customers.
- Collaborated with four cross-functional teams to integrate Stripe payment gateway into payments microservice using Java, enabling virtual card and card terminal payment processing.
- Spreadheaded the re-architecture of payment verification REST API, incorporating an infinite MongoDB scheduler to verify payments, resulting in a decrease in idle payments and bookings.
- Implemented real-time automation for ticket assignment and email notifications in a Java Spring Boot application, eliminating 100% of manual intervention to enhance first response time in ticket management service.
- Streamlined in-house ticketing tool adoption through the engineering of REST APIs for user onboarding, and creating key features - email trail content and rich text editor saving 5 million dollars annually.
- Executed a stability initiative by configuring liveness and readiness probes to enhance health checks and by integrating APM for better debugging, testing and monitoring across 20 Java microservices.

Tech Stack: Java, Spring Boot, Postgresql, MongoDB, Agile, Git, Jira, Kubernetes.

VidyarthiMitra

Pune, India

Intern - Web Developer

May. 2019 – June 2019

- Developed a rank predictor querying complex data sets within seconds to predict a suitable college for a particular student based on his/her preferences in Python and PHP.

Tech Stack: Python, PHP, MySql, HTML, CSS, Postman.

PROJECTS

Taco-DB | Cpp

- Created a single-threaded Relational Database Management System in bottom-up methodology.
- Implemented crucial components of RDBMS including file interface, buffer manager, schema, record layout, data layout, access methods, heap file(table interface), b-tree index, query processing, and query optimization.

Decentralized Domain Name Marketplace | Solidity, ReactJS, AntDesign, Figma

- Developed an ERC721-compliant decentralized application on a blockchain network for managing domain names.
- Designed a feature to tokenize domain names for simple ownership transfer and added features to list domain names for sale and auction, giving users access to a decentralized marketplace for domain name transactions.

Fault-Tolerant Distributed Key-Value Storage | GoLang

- Built a reliable distributed key-value storage system in Go. Implemented the Raft Consensus algorithm to elect leaders and replicate logs, achieving consensus in leader election and log replication for a system consisting of five nodes.