

NIHARIKA DESHMUKH

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EDUCATION

University at Buffalo, The State University of New York

Buffalo, New York

Master of Science in Computer Science. GPA - 3.75/4

Aug. 2022 – Dec. 2023

Courses: Distributed Systems, Data Model And Query Languages, Introduction to Machine Learning, Analysis of Algorithms

College of Engineering Pune

Pune, India

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

Aug. 2016 – May 2020

Courses: Data Structures And Algorithms, Operating Systems, Computer Network, Web Services And Technology

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL, PL/SQL, GoLang, JavaScript, Angular

Frameworks/Libraries: SpringBoot, JUnit, CodeIgniter

Databases: MySQL, MongoDB, PostgreSQL, Redis.

Software and Tools: IntelliJ, Android Studio, Git, Docker, Kubernetes, Kafka, Grafana, SonarQube, AWS.

EXPERIENCE

OYO Rooms

Bangalore, India

Software Development Engineer I

Aug. 2020 – July 2022

- Created a color coding system in internal wallets as a part of customer satisfaction project to provide instant refunds to customers.
- Proposed the revamp of the payments microservice to optimize the p99 of booking creation (P0) API and reduce booking failures by 10%. Prepared the design documents- HLDs and LLDs for re-architecture of payments system.
- Integrated payment gateways - Stripe, Razorpay in payments service by taking PCI compliances into consideration for payment methods - virtual credit card and pos terminal.
- Implemented features like rich text editor, ticket auto-assignment, custom automated emails, content trail in email communication in in-house rule-based ticket management system, P0 microservice.
- Developed REST APIs to onboard teams in ticket management microservice, for ticketing tool adoption. Led the adoption as a cost-cutting project saving 5 million dollars per year.
- Added user management feature in in-house translation microservice, P1 service. Created functionality to generate and store team-level translations according to business requirements.

VidyarthiMitra

Pune, India

Intern - Web Developer

May 2019 – July 2019

- Developed a rank predictor to predicted the best college for a particular student based on his/her marks, college, gender, caste and preferences in python and PHP.
- Built app landing pages for VidyarthiMitra with HTML and CSS.

PROJECTS

Implementation of Distributed Protocols | GoLang

- Implemented Chandy-Lamport algorithm for distributed snapshots on top of a token passing system
- Built a fault-tolerant distributed key-value storage system and implemented Raft Leader Election and Safe Log Replication in it. Achieved the consensus in leader election and log replication for the five-node system.

Research Paper Domain Prediction with Comparative Analysis | Python

- Designed a machine learning model which predicts the domain of the research paper by analyzing the text of the abstract and titles with a one-vs-rest and multi-output classifier.
- Performed comparative analysis of the model using five supervised algorithms, determining that Linear SVC works best in both one-vs-rest and multi-output classification with 97% accuracy.

E-commerce Web Application | Java, Angular, TypeScript

- Developed a full-stack e-commerce web application providing features to shop items, add items to cart, make payment. Provided backend in Java Springboot, frontend in Angular JS, deployed it to AWS.