

VIGHNESH UMESH PARADKAR

Software Engineer

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EDUCATION

Bachelor of Engineering in Computer Science

University of Mumbai

08/2018 - 05/2022 Mumbai

12th | 67.38 %

Abhyankar Kulkarni Jr. College of Science

06/2016 - 02/2018 Ratnagiri

10th | 81.40 %

Sacred Heart Convent High School

06/2004 - 03/2016 Ratnagiri

PROFESSIONAL EXPERIENCE

Software Engineer

Virtusa

06/2022 - Present

- Created user-friendly interfaces using ReactJs enhancing the user experience and making carbon emission data accessible and understandable in key project for Virtusa.
- Designed and proposed **REST APIs** in Java to optimize data flow and enhance Communication between frontend and backend, leading to a **20%** improvement in API response Time and able to reduce Latency.
- Led the creation of a **VitalLink: A Microservices-Based Patient Monitoring System**, resulting in improvement in system scalability and streamlined maintenance.
- Improved secure access to patient records and reports for authorized personnel using **Docker** containers.
- Executed robust security protocols using **Spring Security**, fortifying patient data against unauthorized access and ensuring compliance.
- Implemented **Resilience4j**, fortifying the system's fault tolerance.

PROJECTS

Microservices Architecture: Revolutionizing Information Access and Management

08/2023

- Expanded the capabilities of the Book Service, Transaction Service, and User Service, resulting in increase in overall system functionality.
- Implemented a **Config Server** to centralize configuration management, resulting in increase in system efficiency. This streamlined the deployment process and allowed for configuration updates across microservices.
- Bolstered system resilience with improvement in fault tolerance by integrating **Resilience4j** circuit breakers and fallback mechanisms.
- Utilized **Spring Security** for robust user authentication and authorization.

Spring MVC: Transforming the Cinema Ticketing Experience

01/2023

- Defined the data models including entities like Movie, Theater, User, Booking and Implement **JPA (Java Persistence API)** entities to map the objects to the database.
- Streamlined backend services for the booking process, resulting in increase in transaction throughput.
- Integrated additional secure payment gateways, expanding payment options.
- Engineered services using the **Spring MVC** framework, achieving increase in throughput and performed optimizations in API design, caching strategies, and load balancing for efficient communication.

TECHNICAL SKILLS

Java Python MySQL HTML

CSS Design Patterns REST APIs

Docker Spring Spring Boot Agile

Microservices Low Level Design

React JS Git Apache Kafka

Postman Object Oriented Programming

Data Structures Kubernetes

KEY ACHIEVEMENTS

Solved over 600+ Coding problems on Leet code, Geeks for Geeks
[Leetcode](#)

Achieved GR 71 in CC CodeSenso 2k21 organized by IIIT Allahabad.

Participated and secured AIR 193 in National Engineering Olympiad 5.0.
[Link](#)

Solved 5/6 problems in Round 1A of Codechef's Snack Down '21 and qualified for the Pre-Elimination Round.
[Link](#)

Achieved GR 406 in CC Infinity 2k21 organized by IIIT Pune.
[Link](#)

Managed a five member Team and coordinated with members successfully towards the capstone project within the organization.

CERTIFICATIONS

Oracle Certified Java Programmer SE8
[link](#)

Hackerrank Python Skill Test Certification
[link](#)