Rahul Suresh Ubale

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Portfolio :rahulubale.github.io/rahulubale

EDUCATION

Indiana University Bloomington, IN, USA
MS in Computer Science (GPA: 3.82/4) *Jan 2022 – Dec 2023*
Important Coursework:

- Software Engineering
- Cloud Computing
- Advanced Database Concepts
- Computer Vision

Savitribai Phule Pune University Pune, MH, India
BE in Computer Engineering (GPA: 8.91/10) *Jul 2017 – Aug 2021*
Important Coursework:
- Object Oriented Programming
- Tableau

PROFESSIONAL EXPERIENCE

Developer Lead Jan 2023 – Present
Indiana Daily Student *Bloomington, IN ,USA*

- Led 9 projects, supervised a team of web designers, and managed task assignments for project buildouts.
- Implemented custom buildouts in CSS, HTML, JavaScript, and Vue.js for cross-platform compatibility.
- Utilized analytical insights to enhance user engagement by 15%.
- Managed project execution, ensuring timely development of buildout projects with customized layouts.
- Enhanced website accessibility through Python-based data analysis, improving the user experience.

Software Developer Aug 2022 – May 2023
DIPY *Bloomington, IN ,USA*

- Contributed and optimized a state-of-the-art convolutional neural network (CNN) model.
- Successfully achieved noise reduction, resulting in improved microstructural values for reliable tractography.
- Utilized TensorFlow and scikit-learn for model development and optimization.

ACADEMIC PROJECTS

WeatherWiseNet | *Java, Node.js, Docker, Kubernetes* Jan 2023 – May 2023

- Designed Java-based microservice to fetch user weather search history from a Node.js microservice.
- Implemented functionality to insert data into MongoDB from the retrieved weather search history.
- Dockerized all the microservices, making them easily deployable and scalable.
- Load tested the microservices using Apache JMeter and Artillery to optimize API performance.
- Utilized React JS to create user-friendly pages for fetching weather reports date-wise.

TravelTailer | *Django, React, SQLite, Agile* Jan 2023 – May 2023

- Built a reliable full-stack Tour Management web app using Django, serving a REST API & React as the front end.
- Implemented transparent pricing feature via real-time currency conversion API.

TradeSimX | *Java, Angular, Spring Boot, WebSockets, Kafka, MySQL, Agile* May 2022 – Aug 2022

- Developed a secure, microservices-based trading platform in Java with Angular UI.
- Created a risk-free virtual trading platform with real-time market data, integrated Google Auth for secure access.
- Streamlined market data with WebSockets and Kafka integration. Used MySQL for data storage.
- Achieved high scalability, real-time trading, and efficient portfolio management on the platform.

TECHNICAL SKILLS

Languages: Java, C#, Python, C, C++, JavaScript
Distributed Computing Technologies: Docker, Kubernetes, Apache Kafka, Caching, Hadoop, Spark
Databases: Oracle, SQL, MSSQL Server Database, Neo4j, MongoDB, PostgreSQL
Developer Tools: GitHub, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Postman, Tableau
Cloud Computing Services: Microsoft Azure, AWS, JetStream2, Heroku
Front-end Web Development: HTML, CSS, JavaScript, Bootstrap, React, three.js, Angular, Typescript
Frameworks and APIs: REST API, Spring Framework, Spring Boot, Hibernate, Django

CERTIFICATION

- Web Development Specialization
- UI/UX Design Specialization
- Data Science with Python