Rahul Suresh Ubale

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EDUCATION

Indiana University — Bloomington, IN
MS in Computer Science (GPA: 3.82/4) — *Jan 2022 – Present*
- Software Engineering, Cloud Computing ,Applied Algorithms, Computer Vision, Advanced Database Concepts,Virtual Reality.

Savitribai Phule Pune University — Pune, Maharashtra, India
BE in Computer Engineering (GPA: 8.91/10) — *July 2017 – Aug 2021*
- Software Engineering, Software Design, Object-Oriented Programming, Web Development, Software testing.

PROFESSIONAL EXPERIENCE

Managing Editor of a Digital Desk — Jan 2023 – Present
Indiana Daily Student — *Bloomington, IN*
- Coordinating projects for buildouts and assigning designers to work on them, helping to manage each project by ensuring there are enough multimedia elements to sustain a custom layout, making the final call of when the project is ready to publish, and actually publishing the project.
- Optimized user experience and engagement on the Indiana Daily Student website through data analysis using Python. Leveraged analytical insights to identify areas for improvement and implemented data-driven strategies to enhance user satisfaction.
- Implemented best practices for CSS, HTML, and JavaScript for compatibility across multiple platforms, including desktop and mobile devices.

Software Developer(Open Source Project) — August 2022 – Present
DIPY — *Bloomington, IN*
- Implemented and optimized a state-of-the-art convolutional neural network (CNN) model for DIPY, successfully denoising diffusion weighted imaging (DWI) data, including rectified noise, by leveraging advanced techniques from speech denoising models, using TensorFlow and scikit-learn.

Web Designer — June 2020 – Dec 2021
MES College of Engineering — *Pune, India*
- Developed websites for Nakshatra club,leveraging expertise in HTML, CSS, and JavaScript to create visually appealing and user-friendly sites, resulting in a 20 percent increase in online donations for club initiatives.

PROJECTS

Distributed Microservices for Weather Report | *Java ,Node.js ,Docker ,Kubernetes* — Jan 2022 – May 2022
- Designed java-based microservices which fetches user's weather search history from NodeJS microservice and inserts data into MongoDB.Dockerized all the microservices.Used Apache JMeter and Artillery for load testing of microservices which improves APIs performance.Used React JS for creating pages for users for fetching weather reports date-wise.

Virtual Trading Platform | *Angular ,Spring Boot ,WebSockets ,Kafka ,Agile ,MySQL* — May. 2022 – Aug 2022
- Developed a secure, microservices-based trading platform in Java 8 with Angular UI, integrating NSE and BSE APIs, Google authentication, WebSockets for market data streaming, Kafka integration, and MySQL for position data storage.Achieved high scalability, real-time trading, and efficient portfolio management.

TravelTailer:Tour Management System | *Django, React, SQLite ,Agile* — Jan. 2023 – May. 2023
- Tour Management System with Django backend, React frontend, and SQLite database. Features include search and explore for places, accommodations, and travel options, itinerary planning with maps, bookings and payments, itinerary sharing, reviews and ratings, recommendations, search caching, and currency conversion.

TECHNICAL SKILLS

Languages: C#, Java, Python, C, C++, JavaScript
Distributed Computing Technologies: Docker, Kubernetes, Apache Kafka, Caching, Hadoop , Spark
Developer Tools: GitHub , VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse ,Postman
Cloud Computing Services: Microsoft Azure, AWS, JetStream2, Heroku
Front-end Web Development: HTML, CSS, JavaScript, Bootstrap, React JS, three.js, Angular
Web Frameworks and APIs: Spring Framework, Java Servlet,Spring Boot,Django