

# Rahul Suresh Ubale

8123605294 | [raubale@iu.edu](mailto:raubale@iu.edu) | [linkedin.com/in/rahul-ubale](https://www.linkedin.com/in/rahul-ubale) | [github.com/RahulUbale](https://github.com/RahulUbale) | [rahulubale.github.io/rahulubale/](https://rahulubale.github.io/rahulubale/)

## EDUCATION

### Indiana University

Bloomington, IN, USA

*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

### Web Developer

Jan 2023 – Present

*Indiana Daily Student*

*Bloomington, IN ,USA*

- 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 publishing the project.Implemented CSS, HTML, and JavaScript ,Vue.js build outs with compatibility across multiple platforms, including desktop and mobile devices.
- 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.
- Latest Work: Granfalloon Fest 2023 , First Friday Gallery Walk

### Software Developer

August 2022 – Present

*DIPY*

*Bloomington, IN ,USA*

- 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.

## ACADEMIC 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