Hrishikesh (Rishi) Mulkutkar

+1(425)540-7215 | https://www.linkedin.com/in/hrishikeshmulkutkar | hrishikeshmm01@gmail.com

EDUCATION

M.S. in **Computer Science**, Indiana University, Bloomington, United States **(GPA-3.9/4)**   *August 2024 - Present*
Courses: Applied Algorithms, Software Engineering, Advanced Database Concepts, Cloud Computing, Machine Learning.
B.E in **Computer Science,** University of Pune, India **(GPA-9.34/10)**   *August 2019 - July 2023*
Courses: Data Structures, Algorithms, Database, Software Engineering, Programming Paradigms, Problem Solving.

PROFESSIONAL EXPERIENCE

Technology Intern - Eli Lilly and Company, Indianapolis, United States   *May 2025 - August 2025*
- Designed and Developed a **Python**-based automation platform using **FastAPI** and **SQLAlchemy** to fetch, process, and store Oracle Cloud cost and usage data via **REST APIs** for downstream reporting and analysis.
- Built **Power BI** dashboards to visualize monthly cost and usage trends, centralized database/cluster metadata to support Exadata migration, and integrated an **AI-driven** interface to answer natural language queries on resource insights.
- Awarded **"Most Innovative Solution"** at the Intern Hackathon for building an **AI-powered** Intern Onboarding Assistant using a supervisor-child agent architecture with **LangGraph** and Retrieval-Augmented Generation **(RAG)**.

Software Engineer - GlobalLogic, Pune, India   *February 2024 - July 2024*
- **Led** the transition of operations from HHAeXchange to GlobalLogic, acting as the **interim lead** and the primary point of contact. Ensured release deadlines were met and maintained high quality deliverables, while **managing** a reduced team.
- Continued working on **Web Service API** and File Import tool, reducing response time by **over 75%**.
- Handled the Patient Eligibility module where we implemented EDI 270/271 files using the **SSIS ETL** tool, ensuring accurate and efficient data processing. This role provided valuable exposure to the complex US home healthcare domain.

Associate Software Engineer - HHAeXchange, Pune, India   *January 2023 - February 2024*
- Worked on **API Integration** in the Research and Development department. Focused on maintaining and improving Web Service API and the File Import Tool to enhance Provider-Payer-Patient workflow.
- Utilized advanced **SQL** programming skills to create and manage complex Triggers, Functions, and Stored Procedures.
- Contributed to development of robust and scalable solutions using **.NET Core**, **Entity Framework** and **AWS Lambda**.

Software Development Intern - Flourisense Tech, Pune, India   *December 2021 - March 2022*
- **Led** a team of 7 to build an e-commerce website to provide an online presence and a scalable inventory management system for regular vendors. Was in charge of requirement gathering, **database designing**, and **backend development**.
- Developed a **RESTful API** using **node.js**, **express**, and **mongoDB** rich with features like Google OAuth Login, Two-Factor Authentication using One-Time Passwords. Used **Next.js**, React, and Minimal UI for implementation of end-user interface.

PROJECTS

Omega Care   *September 2022 - April 2023*
- Created a Blockchain Based Electronic Health Record Management System devised to address the issue of patient data privacy, integrity, and availability through decentralization on the Ethereum network.
- Developed Smart Contracts in Solidity as the backend, with React and Tailwind as the frontend. Deployed using Ganache.
- Presented the work at the proceedings of the International Conference for Emerging Trends in Engineering and Technology, Nagpur and it is published in the IEEE Journal.

Renteefy   *March 2021 - May 2021*
- Built a mobile application and website using Flutter and Dart to establish a peer-to-peer renting system for item rentals and service offerings. Programmed the server side with Node.js, Express, MongoDB, and used Redis for caching.
- Delivered a responsive and adaptive app with features like real-time notifications, on-platform chat, lazy scrolling, and efficient categorization and organization of assets.

LEADERSHIP AND AWARDS

- **Most Innovative Solution**: Eli Lilly and Company Intern Hackathon 2025   *June 2025*
- **Lead**: Google Developer Student Clubs (GDSC).   *July 2022 - July 2023*
- **President**: Coders' Club JSPM ICOER.   *August 2022 - July 2023*
- **Winner**: Best Project - JSPM ICOER Project Exhibition.   *May 2023*
- **Winner**: Young Leaders - JSPM ICOER Techno Management Event Cynosure.   *February 2020*

TECHNICAL SKILLS

- **Programming:** Python, JavaScript, SQL, NoSQL, C#, Java, Solidity, C++, Flutter, .NET Core, Django, Flask, Node.js.
- **Cloud & DevOps:** AWS, OCI, Azure, GCP, Git, Docker, Jenkins, CI/CD, ETL, SSIS, Kafka, Hadoop, MapReduce, HDFS**.**
- **Concepts:** Object-Oriented Programming, MVC, Producer-Consumer Design Pattern, REST APIs, Data Modeling, Agile.

CERTIFICATIONS

CS50 - HarvardX
Contents: Concepts of Programming using C, Data Structures, Python, SQL, and Web Programming.
Data Structures And Algorithms Using Python - Indian Institute Of Technology, Madras (NPTEL)
Contents: Data Structures and Algorithms, File Handling, and Exception Handling.
Agile Project Management - Udemy
Contents: Jira, Trello, User Stories, Daily Stand-Ups, Retrospectives, and Kanban boards.