# ISHA NALAWADE

+1 (413) 829-8855 | inalawade@umass.edu | linkedin.com/in/isha-xnalawade | github.com/IshaNalawade | ishanalawade.github.io/Portfolio/

## EDUCATION

**University of Massachusetts, Amherst, MA, USA (GPA 4.0)** **September 2023 - May 2025**
Masters of Science in Computer Science
Relevant Coursework: Computer & Network Security, Theory and Practice of Software Engineering, Information Retrieval

**University of Mumbai, Maharashtra, India (CGPA 9.72/10)** **August 2019 - June 2023**
Bachelor of Engineering in Information Technology
Relevant Coursework: Advanced Data Structures, Operating Systems, Object-Oriented Programming, DevOps
Achievements: **General Secretary** of the College, 120 hours of voluntary work, won national-level drama competitions

## TECHNICAL SKILLS

- **Programming languages and Operating Systems:** C++, Python, Java, C, HTML, CSS, PHP, JavaScript, Windows, Linux, Unix
- **Frameworks, Web Technologies, Testing:** Kafka, Spring Boot, Django, Flask, React.js, Node.js, Junits, Selenium
- **Databases, Cloud Platforms, Software:** MongoDB, Oracle DB, SQL, AWS, Git, VMWare, Docker, Slack
- **Key Skills:** Communication, Leadership, Decision-making, Critical Thinking

## PROFESSIONAL EXPERIENCE

**JPMorgan Chase & Co., Mumbai, India |Corporate Investment Banking |Summer Intern** **June 2022 – July 2022**
- Devised and implemented a foundational Kafka infrastructure utilizing Apache Kafka, including setting up Kafka brokers, producers, and consumers to facilitate real-time data processing.
- Designed and programmed logic for Retry and Replay mechanisms in Java Spring Boot and Oracle DB, reducing message failure rates by **40%**.
- Integrated Schema Registry to define the schema of messages sent over Kafka and set up serializers and deserializers to convert messages into bytes and vice versa, ensuring data consistency and reducing message processing time by **25%**.
- Presented my work, along with the impact and benefits of the design to an audience of **200** colleagues and seniors.

**Iremify, Mumbai, India | Web Development Intern** **June 2021 – July 2021**
- Employed Agile methodology to craft the user interface with HTML, CSS, and Javascript, resulting in a user-friendly interface with improved user experience.
- Managed MySQL database in conjunction with Python Django backend demonstrating compliance with best practices in database management, and achieved a significant **60%** enhancement in overall performance.
- Led a team of **4** and collaborated on the integration of REST APIs and deployment of the website.

## ACADEMIC PROJECTS AND PAPERS

**Missing Alert and Report System (MARS) |** Java, Spring Boot, ReactJS, Tailwind CSS, and MySQL **| (link)**
- Implemented a web application with a React frontend and a Spring Boot server to notify users about any missing reports found in the vicinity, through email utilizing the Gmail SMTP module.
- Engineered a robust SQL database that enables seamless image uploads and retrieval of crucial information.
- Authored a research paper in the International Research Journal of Engineering and Technology.

**Career Space |** HTML, CSS, JavaScript, Python, Flask, PHP, and MySQL **| (link)**
- Programmed a web-based application to provide a career recommendation and resume-building platform.
- Trained the K-Nearest Neighbors Classifier to recommend a career path to students with an accuracy of 97%.
- Employed Google's SERP API for scraping job openings, blogs, and YouTube courses relevant to a career.
- Won 1st prize in a Hackathon organized by Vidyavardhini College of Engineering and Technology, Mumbai, 2022.

**Ed-Tech Platform |** MongoDB, ExpressJs, ReactJs, NodeJs, Tailwind CSS **| (link)**
- Initiated and designed an innovative Ed-Tech platform to facilitate full-stack Development learning for students.
- Engineered a built-in code editor allowing users to code, fostering hands-on learning and practical experience.
- Integrated quizzes to evaluate students' knowledge and a comprehensive report section to track student progress.

**Vyaapaar - small business e-commerce website|** Python, MongoDB, ExpressJs, ReactJs, React Hooks, NodeJs **| (link)**
- Developed an end-to-end e-commerce platform with MERN stack that serves exclusively for small businesses.
- Assembled a Machine Learning model for predicting ratings of small-scale businesses using a Random Forest Regressor with an accuracy of **96%.**

**Phishing Website Detection using Classification Algorithms |** Python, TensorFlow, Keras, Scikit**| (link)**
- Utilized Machine Learning to detect phishing websites, achieving a 97% accuracy rate with an ensemble of classifiers.
- Published a research paper on the same in IRJET.