

Isha Niles Gohel

☎ 413-466-1822 ✉ ishagohel23@gmail.com 🔗 linkedin.com/in/isha-gohel 📄 github.com/isha-234

Education

University of Massachusetts, Amherst

Expected May 2026

MS in Computer Science

Amherst, MA

- **Relevant Coursework:** Algorithms in Data Science, Machine Learning, Methods of Applied Statistics, Applied Information Retrieval, Distributed and Operating Systems, Systems in Data Science

Birla Institute Of Technology and Science, Pilani

Aug 2018 – July 2023

MSc in Mathematics and BE in Computer Science

Hyderabad, India

- **Relevant Coursework:** Data Structures, Algorithms, Object Oriented Programming, Operating Systems, Databases Systems, Database Systems, Computer Networks, Foundations of Data Science, Machine Learning, Information Retrieval, Linear Algebra, Non-linear optimization, Optimization, Probability and Statistics, Graph and Networks

Experience

Flipkart

Bengaluru, India

Software Development Engineer - I

July 2023 – July 2024

- Developed and deployed Java-based RESTful APIs for Flipkart Health Plus and Super.Money teams, implementing backend business logic, and integrating with MySQL, MSSQL, and Bigtable to enhance performance
- Designed a 'Token of Apology' workflow at Flipkart Health Plus using GCP tools like Dataflow, Cloud Functions, Cloud Scheduler, BigQuery, and Bigtable, implementing automation and increasing customer retention by 22%

Software Development Intern

July 2022 – June 2023

- Built HTTP and gRPC APIs in Java and Python for backend services at Flipkart Health Plus, improving API latency
- Automated deployments using Kubernetes by setting up CI/CD pipelines for backend services on AWS and GCP

Microsoft

Remote

Mentee | Microsoft Engage Mentorship Program

June 2021 – July 2021

- VCONNECT: Implemented a video-calling web application using React.js and Node.js/Express. Integrated key features including URL sharing, mute/unmute, video on/off, screen sharing, in-call messaging, and disconnect call

UST Global

Remote

Summer Intern

May 2020 – June 2020

- Explored approaches to enhance quantum security in Electronic Health Records (EHR) systems
- Analyzed lattice-based technology as a potential solution for mitigating quantum threats in blockchain networks

Projects

Blockchain in Healthcare 📄 | Python

- Implemented a blockchain-based medical record system using Python, enabling doctors to update patient histories with features like creating a block, verifying the transaction, mining the block, and viewing the patient data

Hotel Management System 📄 | Java, JavaFX, CSS, MySQL

- Designed a hotel management application with database integration for maintaining hotel records which includes information like customer records, room service, employee records, inventory records, working hours, and shifts

TriggerTracker 📄 | Java, Firebase, Gradle, Android Studio

- Created a Java-based Android app with features like schedule tracking, grocery management, and file sharing

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, Javascript, React, SQL, PHP, Bash

Frameworks and Libraries: Dropwizard, Node.js/Express.js, PyTorch, OpenCV, Scikit-learn, NumPy, Pandas

Cloud DevOps: AWS, GCP, Docker, Kubernetes, Terraform, CI/CD

Developer Tools: Git, GitHub, IntelliJ, VSCode, Android Studio, Azure Data Studio, OpenAPI spec(OAS), Postman, JIRA

Publications

- Deepa Kumari, Pavan Kumar Reddy Yannam, **Isha Niles Gohel**, Mutyala Venkata Sai Subhash Naidu, Yash Arora, B.S.A.S. Rajita, Subhrakanta Panda, and Jabez Christopher, "**Computational model for breast cancer diagnosis using HFSE framework**" *Biomedical Signal Processing and Control*, 86:105121, 2023