**Nisarg Patel**

Boston, Massachusetts | +1 (857) 763-8337

[patel187nisarg@gmail.com](mailto:patel187nisarg@gmail.com) | [Website](https://nisarg-pat.github.io/) | [LinkedIn](https://www.linkedin.com/in/nisarg-patel-076733171/) | [Github](https://github.com/Nisarg-Pat) | [Leetcode](https://leetcode.com/Nisarg_Pat/)

**EDUCATION**

**Northeastern University**, Boston, MA Sept. 2021 – Dec 2022

Master of Science in Computer Science GPA: 3.96/4.0

**Dhirubhai Ambani Institute of Information and Communication Technology**,Gandhinagar, IndiaAugust 2015 – May 2019

B.Tech (Honors) in Information and Communication Technology with Minor in Computational Science GPA: 8.29/10

**TECHNICAL KNOWLEDGE**

**Languages:** Java, Python, Kotlin, Swift, C, HTML

**Databases:** PostgreSQL, MongoDB, Firebase RTDB, SQLite

**Tools and Frameworks:** Git, Docker, Django, Spring, JDBC

**Web and Cloud Technologies:** ReactJS, NodeJS, Hadoop, AWS, Heroku, Google Cloud, Redis

**Certificates:** [Samsung Software Competency - Professional Level](https://drive.google.com/file/d/1xiVwGOMu-B-Ha0rf9q3uHg31CFrRjWk5/view)

**WORK EXPERIENCE**

**Metro Mobility,** Cambridge, MA

Senior Software Engineer September 2023 - Present

Software Engineer March 2023 – August 2023

* Primary Developer of Android, and iOS Applications, Django-based Server, and Fleet Management System.
* Designed and implemented secure communication protocols and APIs between cloud services, firmware, and client apps.
* Developed IoT firmware for cross-platform compatibility and implemented theft detection and prevention algorithms.
* Implemented new features and bug fixes to enhance user experience and functionality.
* Automated CI/CD pipeline with Docker, Heroku, and AWS for efficient deployment and scaling.
* Created a Unified Telemetry Gateway System, simplifying fleet management by integrating various vehicle providers into a single portal.

**Samsung Research and Development Institute,** Noida, India June 2019 – July 2021

Software R&D Engineer

* Developed the Samsung Email Android Application with a primary focus on Email Protocols and Account Setup.
* Successfully integrated the Android Device Policies from the Email App to bolster data security for organizations, ensuring the safe handling of sensitive information, and allowing administrators to directly manage devices.
* Elevated the user experience (UX) and user interface (UI) of the application in alignment with OS upgrades.
* Proficiently debugged complex issues, addressed defects, and effectively handled incidents to maintain seamless functionality.
* Awarded the prestigious [Employee of the Quarter Award](https://drive.google.com/file/d/1SFHxormAz97CsKP5msPDPYTBtP2y210z/view) for excellent performance and contribution towards Samsung Email.

**Samsung Research and Development Institute,** Noida, India Jan 2019 – May 2019

Software R&D Intern

* Innovated a payment recommendation engine by seamlessly integrating Samsung Pay with the Samsung Email application.
* Implemented the TensorFlow Lite model within the Email App to perform email classification and extract critical details, such as transaction amounts, facilitating automatic population of Samsung Pay for user convenience.

**TEACHING EXPERIENCE**

* Teaching Assistant for CS-5800 Algorithms, Northeastern University, May - December 2022.
* Mentored new interns for projects and given SWC-Professional training at Samsung R&D Institute.
* [Teaching Assistant](https://drive.google.com/file/d/19Kae7m2LzYQeF3DMsAK8qoJ7twmY9L8P/view) for CT-303 Digital Communications, DAIICT, July - December 2018.

**PROJECTS**

**BookKeeper**, A Spring Boot + ReactJS based Distributed Web Application [[Github](https://github.com/Nisarg-Pat/CS6650-Distributed-Systems-Project)]

Technologies: Spring, Java, React, Maven, Docker, Shell Scripting

* Created a simple e-commerce application that follows basic principles of distributed computing.
* Implemented distributed algorithms including Two-Phase Commit, Paxos, and Replicated Data Management.

**Puddle**, Proximity based social media mobile application [[Github](https://github.com/Nisarg-Pat/NUMAD22Su_Team24_Puddle)]

Technologies: Android Studio(Java), Firebase, Git

* Developed a full-fledged android application for location-based event and interest groups.
* Used Firebase Real Time Database for storing application data and Firebase Storage for images.