**Nisarg Patel**

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**EDucation**

**Northeastern University**, Boston, MA Sept. 2021 – Present

**Khoury College of Computer Sciences** Expected graduation: May 2023

Master of Science in Computer Science GPA: 4.0/4.0

Related courses: Programming Design Paradigm, Algorithms, Web Development, Foundations of A.I.

**Dhirubhai Ambani Institute of Information and Communication Technology** August 2015 – May 2019

Gandhinagar, India GPA: 8.29/10

B.Tech (Honours) in Information and Communication Technology with Minor in Computational Science

Related courses: Object Oriented Programming, Data Structures and Algorithms, Database Management Systems,

Software Engineering, Operating Systems

**Technical Knowledge**

**Languages:** Java, Kotlin, Python, MATLAB

**Databases:** MySQL, MongoDB, SQLite

**Web Technologies:** HTML, CSS, JavaScript, ReactJS, Redux, NodeJS

**Certificates:** Samsung Software Competency - Professional Level

**WORK EXPERIENCE**

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

Software R&D Engineer

* Developed of Samsung Email Application primarily involving Email Protocols with emphasis on Exchange ActiveSync protocol and Account Setup module using Android Sync Service and SQLite Database.
* Implemented device policies through Email App for data security of organizations.
* Upgraded UX and UI as per version and OS upgrades (primarily android Q and R OS), debugging complex problems, defect fixing, and incident handling.
* Scripted Android Espresso test cases and Python Robodroid Automation using robot framework and Jenkins server.

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

Software R&D Intern

* Innovated a payment recommendation engine by integrating Samsung Pay with Samsung Email application.
* Created a Classification software of transactional emails with Naive Bayes classifier and with Artificial Neural Network. Implemented the TensorFlow Lite model in Email App to redirect and auto-fill the amount on Samsung Pay.

**Summer Research Internship, DAIICT,** Gandhinagar, India May 2018 – Aug 2018

* Implemented a method for Gujarati Script Character Pre-processing to be further processed by OCR using OpenCV, Numpy, Scipy, and Python Imaging Library.

**PROJECTS**

[](https://github.com/Nisarg-Pat/Dungeon-Game)**Dungeon Escape**, Graphical Adventure Game Sept 2021 – Dec 2021

* Developed an adventure game with JUnit test cases based on Model View Controller principles in Java using SOLID properties and Java Swing Library.

[](https://github.com/Nisarg-Pat/webdev-rate-my-menu)**RateMyMenu**, Restaurant Menu Item Rating Web application

* A ReactJS based menu review application to rate specific food items of different restaurants.

**INTERESTS/ACTIVITIES**

* Employee of the Quarter Award at Samsung R&D Institute for July - September, 2020.
* Mentored new interns and recruits for projects and given SWC-Professional training at Samsung R&D Institute.