

# Nisarg Patel

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## EDUCATION

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**Northeastern University**, Boston, MA Sept. 2021 – Present  
**Khoury College of Computer Sciences** Expected graduation: Dec 2022  
Master of Science in Computer Science GPA: 3.92/4.0  
Related courses: Programming Design Paradigm, Web Development, Algorithms, Foundations of A.I., Machine Learning,  
Android Development, Computer Systems, Distributed Systems

**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

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**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

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**Samsung Research and Development Institute**, Noida, India June 2019 – July 2021  
Software R&D Engineer


- Developed 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.

**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.

## PROJECTS

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**Puddle**, Proximity based social media mobile application 

- 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.

**RateMyMenu**, Restaurant Menu Item Rating Web application 

- A ReactJS based menu review portal to rate specific food items of different restaurants using NodeJS server to handle RESTful apis and MongoDB to store the application data in JSON.

## TEACHING EXPERIENCE AND AWARDS

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- Teaching Assistant for CS-5800 Algorithms, Northeastern University May 2022 - Present.
  - [Teaching Assistant](#) for CT-303 Digital Communications, DAICT, July - December 2018.
  - Mentored new interns and recruits for projects and given SWC-Professional training at Samsung R&D Institute.
  - [Employee of the Quarter Award](#) at Samsung R&D Institute for July - September 2020.