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, Web Development, Algorithms, Foundations of A.I., Machine Learning, Android Development

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 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

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.

Dungeon Game, Graphical Adventure Game   Sept 2021 – Dec 2021
- Developed an adventure game based on Model View Controller principles in Java using SOLID properties and Java Swing Library.

TEACHING EXPERIENCE AND AWARDS

- Teaching Assistant for course on Algorithms, May 2022 - Present.
- Mentored new interns and recruits for projects and given SWC-Professional training at Samsung R&D Institute.
- Teaching Assistant for CT-303 Digital Communications, July - December 2018.
- Employee of the Quarter Award at Samsung R&D Institute for July - September 2020.