JAITUL BHARODIYA

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EDUCATION

Master of Science in Computer Software Engineering — Expected May 2021
Stevens Institute of Technology, Hoboken, NJ. — **GPA**: 3.33/4.0

Related Courses: Special Topics in SSW, Cost Estimation & Metrics, Fundamentals of Software Engineering, Software Testing, QA and Maintenance, Software Architecture & Components based Design, Database Management System(DBMS)

Bachelor of Engineering in Electronics and Telecommunications Engineering — May 2019
Mumbai University, Mumbai, Maharashtra, India. — **GPA**: 7.3/10

Related Courses: Digital Electronics, Object Oriented Programming, Computer Communication Networks, Discrete Signal and Time processing, Random Signal Analysis, Optical Communication Networks, Radio Frequency Modeling and Antennas, Image and Video Processing

SKILLS

Programming/Scripting Languages: Python, C++,MATLAB, SQL.

Tools and Technologies: Microsoft Visual Studio Code, Quickbooks, Microwind, Arduino, Orcad, Pspice, SQLlite3, Datagrip Microsoft office, Travis CI, Embedded System, Augmented Reality, PosgreSQL, Git.

Strengths: Ability to learn quickly and Excellent Communication Skill, Curious and Eagerness to learn new things, Analytical and Quantitative Skill, Adaptability to different Environments, Test Plans, Cases & Processes, Functional Requirements, Scripting & Documentation, Test Strategies & Coverages, Testing Automation.

ACADEMIC PROJECTS/ RESEARCH

STUDY OF THE EFFECT OF FORMALIZED DEVELOPMENT TESTING ON SUBSEQUENT TESTING PHASES — Fall 2019

- Utilized the Goal, Question, Metric (GQM) approach to determine what data should be collected and what metrics should be used to determine conclusions.
- Collected data on problem points within the IT industry for a common complaint amongst software developers, analysts, and engineers from a firm.
- Derived Metrics and model depending upon the acquired data.

AUGMENTED REALITY AN APPLICATION FOR PAPER TOUCH SCREEN USING IMAGE PROCESSING — SPRING 2019

- Developed a Home Automation System through AR . The entire home appliances could operate through a single touch without any switches.
- Presented the conceptual use of Augmented reality in the field of Home Automation.
- Devised the requirements for implementation and procedures

ULTRASONIC BLINDSTICK

- Designed PCB layout and Block Diagram
- Handled integration of software components
- Developed and tested software as well as hardware components

ACHIEVEMENTS / CERTIFICATIONS / ACTIVITIES

- Handled Technical College Fest (Technical Fest Core Committee)
- District Level Marathon Runner
- Represented my Undergrad College Soccer Team