Shubham Rane

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EDUCATION:

Stevens Institute of Technology, Hoboken, NJ   **Expected May 2021**
Master of Science in Computer Science (GPA: 3.5)
Courses: Data Structures, Human-Computer Interaction, Machine Learning, Database Management System,
          Agile Software Development, Web Programming, Fund. Of Cyber Security, Natural Language Processing

Atharva College of Engineering, Mumbai University, India   **May 2019**
Bachelor of Engineering in Computer Engineering (GPA: 8.5)

CERTIFICATIONS: Oracle Learning Explorer - Java (Oracle)
AWS – Going Cloud Native (Coursera)
Agile Software Development (LinkedIn Learning)

SKILLS:

Programming Languages: Java, C#, HTML, CSS, JavaScript, Node JS, XML
Software Tools: GitHub, IBM Watson, UiPath, IntelliJ IDEA, Eclipse, Android Studio, OpenCV, Unity3D
Database Systems: SQL, MySQL, MongoDB, Excel, PostgreSQL
Frameworks/Tools: Spring Boot, Vaadin, Servlet, JSP, JDBC, MVC, Maven, JavaFX, Hibernate, JUnit, Gradle

EXPERIENCE:

ICT Infratech, Mumbai, India   **June 2018 – Aug 2018**
Software Developer Intern
- Developed Media Player to stream audio/video content on devices with company's routers
- Used power of Optical Character Recognition and designed application to detect handwritten notes and convert them into digital notes to store and share across the network
- Estimated proposal for line following robot for warehouse management for 60 KG and 200 KG
- Researched Bluetooth beacons technology for school and commute attendance system attendance system

PROJECTS:

Control Robotic and Data Acquisition System [Java 11, JavaFX, MySQL, Hibernate, Maven]   **Spring 2021**
- Designed an ergonomic interface allowing to command the vehicle with features like live face recognition, live video streaming, image capturing, battery status, heat map generation, and distance evaluation
- Implemented log file maintenance system holding a detailed record of dispatched commands along with timestamp duration leading to effective debugging and backtracking purposes

Uncovered Media, [HTML5, CSS3, JavaScript, Bootstrap, MongoDB, NodeJS]   **Fall 2019**
- Created a web-based platform to share local and more value-adding news/events in surroundings as well as events creating global impact
- Constructed database in MongoDB executing required queries with promises in Node JS

OCR for Visually Impaired, [Java 8, Android, Gradle, XML, OpenCV]   **Spring 2019**
- Built a stand-alone project to come up with a solution for the visually impaired, resolving communication and disability of fluency to interact with the surrounding environment
- Implemented technologies such as Google Mobile Vision, NLP, OCR, Text to Speech, Face and Object Detection using OpenCV and Python to complete project

Chess in Virtual Reality, [C#, Unity3D, Blender]   **Summer 2019**
- Developed a game of Chess with the edge of Virtual Reality including Immersive 3D graphics
- Led team of 5 with Feature Driven Development approach to achieve a goal with 43% cost reduction and 80% acceptance rate

PUBLICATIONS:

Published research paper on Bus Tracking System in IOSR Conference   **May 2018**
IOSRJEN [ISSN (e): 2250-3021, ISSN (p): 2278-8719, Volume 15, PP 01-04]

ACTIVITIES:

Committee Chair - Indian Graduate Student Association, **Chief Event Coordinator** of IEEE Student Chapter

Graduation is May 2021