

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
- 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: Servlet, JSP, JDBC, Maven, 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:** **Navigation Controller for Unmanned Vehicles [Java 11, JavaFX, MySQL, Hibernate]** **Spring 2021**
- Designed an ergonomic interface allowing to command the vehicle with features like live video streaming, image capturing, battery status, distance evaluation using 3rd party Sarxos library
 - Implemented log file maintenance system holding a detailed record of dispatched commands along with timestamp duration leading 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 in May 2021