

VINAY SRAMPICKAL JOSEPH

Boston, MA | (857) 265-9783 | srampickaljoseph.v@northeastern.edu | [linkedin.com/in/vinaysj](https://www.linkedin.com/in/vinaysj)
vinaysj.netlify.app

EDUCATION

Northeastern University , Boston, MA	Sept. 2019 - Present
Khoury College of Computer Sciences	Expected Graduation: Dec. 2021
Candidate for Master of Science in Computer Science	GPA: 4.0/4.0
Related Courses: Programming Design Paradigms, Foundations of Software Engineering, Web Development, Algorithms	
Mahatma Gandhi University , Kerala, India	
Bachelor of Technology in Electronics and Communication	Aug. 2012 - June 2016

TECHNICAL KNOWLEDGE

Programming Languages	: Java, JavaScript ES6, Python, TypeScript
Database	: MySQL, DynamoDB, MongoDB
Web Technologies	: Node.js, React.js, HTML, CSS, Bootstrap
Services	: AWS (Lambda, API Gateway, Cognito, Lex)
Other	: Git, IntelliJ IDEA, VS Code, Agile, Scrum

WORK EXPERIENCE

Khoury College of Computer Sciences	Boston, USA
Graduate Teaching Assistant - CS5610 Web Development	May 2021 - Present
<ul style="list-style-type: none">Mentored a graduate class of 83 students by grading coursework, conducting weekly office hours, and tutoring sessionsAssisted professor in timely assessment and provided relevant feedback to students to support continuous learning	
QuantUniversity, LLC	Boston, USA
Software Engineering Intern	Jan. 2021 - Apr. 2021
QuSandBox React.js, DynamoDB, AWS Lambda, Python	
<ul style="list-style-type: none">Collaborated on developing a PaaS DevOps application that helps data science learners to build and deploy working environments and data pipelines on cloud platformsDeveloped a toolkit for users to add artefacts to model and data cards and generate reports 60% fasterImplemented an access control system based on the roles assigned to users by the project owner	
VISTAN Health	Boston, USA
Software Engineering Intern	May 2020 - Aug. 2020
Physician Portal React.js, Node.js, DynamoDB, Lambda, API Gateway, Cognito	
<ul style="list-style-type: none">Contributed as a full stack developer to develop a web application for physicians to monitor patientsCreated a chatbot using Amazon Lex that can help patients resolve health queries and connect with physiciansBuilt authentication module using Cognito to prevent unauthorized access to personal health dataRepresented VISTAN Health at the MIT COVID-19 Challenge and the Crisis Challenge Innovation Competition	
Cognizant Technology Solutions	Bangalore, India
Software Engineer	Jan. 2017 - Aug. 2019
Claimcheck Suite Replacement - ClaimsXten Java	
<ul style="list-style-type: none">Developed automated claim processing tool using Java and Selenium, which expedited processing of claims by 10%Built a production tool to generate complex queries using VBA to help associates without knowledge in SQL to retrieve details from database on to an Excel sheet	
Facets Upgrade Java	
<ul style="list-style-type: none">Led the R&D team to find a solution in automating the web-based screens inside windows-based FACETS by integrating Winium and Sikuli to Cognizant's CRAFT framework to achieve 100% automation	

ACADEMIC PROJECTS

Plagiarism Detector Node.js, React.js, TypeScript, Bootstrap, Git	Sept. 2020 - Dec. 2020
<ul style="list-style-type: none">Deployed a web application that detects plagiarism between two JavaScript programs and allow users to compare similarities in the code using Abstract Syntax Trees (AST)	
Just Dream Flight Booking Node.js, React.js, MongoDB, Bootstrap, Heroku, Git	May 2020 - Aug. 2020
<ul style="list-style-type: none">Built a single page web application using the MERN stack that provides a platform to book flight tickets and implemented all the CRUD operations on bookings and passenger details	
Object Perception OpenCV, Python, ROS	Jan. 2020 - Apr. 2020
<ul style="list-style-type: none">Tracked an object in a video using feature matching and determined its 3D coordinates and orientation	
Image Processing Application Java, Git	Sept. 2019 - Dec. 2019
<ul style="list-style-type: none">Designed an image processing application that performs image generation and color transformation operations using MVC architecture and design patterns	