Abhishek Ranjan

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Education

San Diego State University, USA

Master of Science, Computer Science, August 2021 – Present
Coursework: Advanced OOP, Advanced Algorithms, Modern web frameworks

Birla Institute of Technology, India

Bachelor of Engineering, Computer Science, July 2013 – May 2017, First Class
   Coursework: Data Structure, OOP using JAVA, Computer Algorithms, Database Management System, Computer System Architecture, Operating System, Computer Graphics, Compiler Design, Software Engineering, Computer Networks, Artificial Intelligence and Expert System, Soft Computing

Work Experience

Software Development Engineer

Ernst & Young LLP. Client: Goldman Sachs, August 2020 – August 2021
   • Worked on designing and implementing the Marcus (GS consumer banking) Invest, particularly on Account opening and withdrawal of funds/securities.
   • Collaborated with product manager and third-party vendor to establish contracts, sequence diagram and designing services
   • Written openAPI v3 contract, API implementation, unit/integration tests, fixing production bugs
   Technologies / Environment: Java(v11), RxJava, Spring Boot, Vertx, Mongo DB, Gradle

Engineer

Cisco Systems, Bangalore, India, November 2018 – April 2020
   • Developed and integrated the support for Northbound email destination in Alarm module for Prime Infrastructure (Cisco Network Management Suite)
   Technologies / Environment: Java(v8), Maven, Spring Boot, Hibernate, Linux and Cisco IOS/IOS-XE CLI.

Projects

Image Colorization

BIT Mesra, Spring 2016
   Our approach uses Support Vector Regressions (SVRs) to predict the color of a region locally, then a Markov Random Field (MRF) to smooth color information across the image. We find that our algorithm can recognize textures that correspond to objects such as trees and water, and properly color them with accuracy of 68%.

Skills

Programming/Scripting Languages: (Proficient) JAVA, Python, JavaScript, SQL, NoSQL, Data Structure, Algorithms
Frameworks and Tools: Postman, Spring Boot, Hibernate, Vertx
Certification: Oracle certified Java Professional