

Anurag Parla

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Education

Master of Science (MS), Software Engineering Systems

Northeastern University, Boston, MA

Expected May 2023

Courses: Object Oriented Design, Program Structure & Algorithms (Data Structure & Algorithms), Enterprise Software Design, Web Design & User Experience

Bachelor of Engineering

Dayananda Sagar Academy of Technology and Management, Bengaluru, India

June 2018

Technical Skills

Languages: Java, Python, Shell

Web Technologies: HTML5, CSS3, JavaScript (JS), jQuery, React.js, Node.js, Express.js

Other Technologies: Docker, Git, JIRA, JUnit

Tools: Eclipse, IntelliJ Idea, Visual Studio, Grafana, Intel OpenVINO

Databases: SQL (RDBMS), MongoDB (NoSQL)

Operating Systems: Linux, CentOS

Work Experience

Project Engineer

November 2018 - August 2021

Wipro Limited, Bengaluru, India

- Designed and created scripts in Python to automate installation of “Intel's Edge Insights for Vision’s” components for Red Hat Linux OS
- Built device services leveraging Python and integrated with EdgeX Foundry IoT framework using REST APIs; captured data was pushed to AWS instance for analysis
- Designed and constructed unit test cases to validate functionalities of numerous components in Intel's Edge Insights for Vision package
- Utilized Faster R-CNN object deep learning model for object detection by leveraging Intel OpenVINO Toolkit's model optimizer and inference engine; inspection time cut-down by 80%
- Created containerized application services for portability and easy deployment by leveraging Docker; reduced deployment time to 40 seconds
- Developed a Shell script to completely automate the installation process hence, decreasing installation time by 35%
- Coordinated with testing team for timely pushing of code by adhering to project timeline as a part of agile development; reduced testing time by 30%
- Enhanced documentation to provide a user-friendly guide; cut down reading time by 40%
- Collaborated with the Microsoft Azure & Tecnomatix team to ensure smooth functioning of the product
- Built dashboards in Grafana to display KPIs of industrial devices; increased operating efficiency by 70%

Academic Project

Daycare Application, Northeastern University

October 2021 - December 2021

- Collaborated on building a Java application for a Daycare by adhering to the Object-Oriented Design principles, Design Patterns, and MVC Architecture
- Developed a user-friendly GUI using Java Swing to enable interaction

Community Leadership

Lead Content Coordinator

April 2020 - July 2021

Bhumi NGO, Bengaluru

- Provided significant contribution to the National Content Support Team in upgrading project's syllabus
- Managed to liaise with teams nationally for online computer classes and kickstarted classes in 60 shelter homes
- Led a team of 20 volunteers for planning class and updating data
- Conducted 10 pedagogy training sessions and coordinated induction for new volunteers

Awards and Achievements

- Awarded as the Bhumi Changemaker (2020-2021) for significant contribution to Kanini Project as a Project Level Coordinator