

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, Spring Boot, Hibernate, XML, JSON

Other Technologies: Docker, Git, JIRA, JUnit

Tools: Eclipse, IntelliJ Idea, Visual Studio, STS4, Grafana, Intel OpenVINO

Databases: MySQL (RDBMS), MongoDB (NoSQL)

Operating Systems: Linux, CentOS, Mac, Windows

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
- 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%
- Collaborated with testing team for timely pushing of code by adhering to project timeline as a part of agile development; reduced testing time by 30%
- Built dashboards in Grafana to display KPIs of industrial devices; increased operating efficiency by 70%

Academic Projects

Dialogue, Northeastern University

April 2022 - May 2022

- Developed an interactive Web 2.0 application using Spring Boot which enables the instructors and students to communicate effectively
- Integrated Spring DAO for data access using Hibernate to fetch data from database and avoid redundant database access statements
- Implemented Spring MVC to achieve loose coupling and used JSP, HTML5, CSS3 and Bootstrap5 to provide a seamless user experience

Husky Estate, Northeastern University

April 2022 - May 2022

- Developed a user friendly MERN stack application which helps the users to buy and rent properties
- Integrated Google Geolocation API for accurate searching, Google Map API for displaying the property location and Google SMTP API to send automatic email to the admin when a customer requests to view a property.

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

Awards and Achievements

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