# 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, Design Patterns, Data Management & Database Design

**Bachelor of Engineering**
Dayananda Sagar Academy of Technology and Management, Bengaluru, India — June 2018

## Technical Skills

Languages: Java, TypeScript, Shell, Python, Gherkin
Web Technologies: HTML5, CSS3, JavaScript (JS), jQuery, React.js, Node.js, Express.js, Spring Boot, Hibernate, XML, JSON
Cloud Technologies: AWS API Gateway, AWS Lambda, AWS Cognito, AWS S3, AWS Route 53, AWS WAF, AWS CloudWatch
Other Technologies: Docker, Git, JIRA, JUnit, Terraform, Jest, Cucumber, OpenAPI, Markdown
Tools: Eclipse, IntelliJ Idea, Visual Studio, STS4, Grafana, GitHub, GitHub Projects, Sumo Logic
Databases: MySQL (RDBMS), AWS DynamoDB (NoSQL), MongoDB (NoSQL)
Operating Systems: Linux, CentOS, Mac, Windows

## Work Experience

**Software Engineering Intern** — June 2022 - Present
Tesseract Health, Connecticut, USA

- Started interning at its inception and made 20% of code contribution to the development of Tesseract Cloud Gen 1.0
- Terraformed AWS API Gateway, AWS Lambda functions, AWS Cognito User Pool, AWS DynamoDB, etc.
- Designed REST API schemas using OpenAPI 3.0 framework, that was leveraged in constructing API Gateway
- Built numerous REST API endpoints in Typescript and deployed them as AWS Lambda functions
- Wrote thorough integration tests using Cucumber framework

**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
- Created containerized application services for portability and easy deployment by leveraging Docker; reduced deployment time to 40 seconds
- Constructed a Shell script to completely automate the installation process hence, decreasing installation time by 35%

## Academic Projects

**Hospital Management Application** — May 2022 - August 2022

- Lead a team of 4 people to devise a JAVA application for managing the operations at a hospital by adhering to SOLID principles
- Implemented various design patterns viz. Factory, Singleton, Strategy, Decorator, Builder, Adapter, State, Command to achieve loose coupling and increase maintainability

**Dialogue, Northeastern University** — April 2022 - May 2022

- Developed an interactive Web 2.0 application leveraging Spring Boot which enables the instructors and students to communicate seamlessly
- 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

## Awards and Achievements

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