

Spoorthi Basu

Carmel, Indiana, 46032, (626)-362-9696

www.linkedin.com/in/spoorthibasuspoorthibasus@gmail.com, [spoorthibasus.github.io](https://github.com/spoorthibasus)

EDUCATION

Master's in Computer Science, California State Polytechnic University Pomona (GPA: 3.66) May 2020

Bachelor's in Computer Science, Dr. Ambedkar Institute of Technology, India (GPA: 4.0) May 2018

PROFESSIONAL EXPERIENCE

Software Engineer, Genesys Telecommunications Laboratories, Inc., March 2021 – Present | www.genesys.com

- Design and develop new product features and make enhancements to the Genesys Cloud and platform stability
- Build API endpoints utilizing Java, Spring Boot, Spring JPA, Spring MVC for the Genesys Cloud services
- Use various AWS concepts like AWS ElastiCache for Redis, AWS Dynamo DB and Apache Kafka for messaging
- Write and maintain unit, integration, and acceptance tests using Junit and Mockito for testing the services
- Perform API testing using POSTMAN, CI/CD using Bitbucket for version control and Maven for build automation
- Utilize Jira Software to track the tasks and Genesys Cloud for collaborating and communicating with the team

Software Engineer, Coding Minds, Inc., July 2020 – February 2021 | www.sharemyworks.com

- Design and develop the academic management system using web service technologies
- Perform requirement analysis, design, development and deployment in Agile software development utilizing Scrum
- Develop RESTful services using Java, Node.js and perform CRUD operations on the MySQL database
- Perform testing using dev tools, SWAGGER and perform operations on full-stack web services with MySQL
- Utilize React for frontend and Java, Node.js for backend development and deploying the application with Heroku

Grad Student Assistant, California State Polytechnic University Pomona, Feb 2019 – May 2020 | www.cpp.edu

- Designed and developed, a cross-browser compliant Academic Programs website, employing mastery of front-end and back-end languages like, Java, JavaScript, CSS, HTML, and Bootstrap 3 front-end framework
- Created and deployed a module for efficient onboarding of graduate students with features such as onboarding, and self-service tools
- Performed regular testing, deployment, and bug fix in an agile development environment by actively gathering feedback and continuously improving the features to satisfy student needs

TECHNICAL SKILLS

- **Languages and Technologies:** Java, C++, JavaScript, AWS, Redis, MySQL, DynamoDB, Junit, Mockito,
- **Web and Front-end:** React, HTML5, CSS, JQuery, Bootstrap, REST, AJAX
- **Functional:** Data Structures and Algorithms, Object-Oriented Methodologies, Spring boot, MVC, TDD, CI/CD, Agile Development, Relational Databases, SDLC, Excellent Communication skills, SCRUM, Kubernetes, Apache Kafka

TECHNICAL PROJECTS

E-commerce Order Processing | [Link](#)

- Developed order microservices using Spring Boot, Spring JPA, Spring IOC, MVC design pattern to deal with single and bulk orders from the users and designed new schema with MySQL and deployed using AWS
- Used Swagger to document endpoints, along with using appropriate HTTP and status codes and containerized the services using Docker and utilized Log4j for logging and tracing java code

Automated Clinical System for General Check-ups web application | [Link](#)

- Conceptualized, designed, developed and deployed the website on AWS for a clinic, which enabled the patients to view doctors near-by based on their pin code and take appointments
- Developed the application using Java for the backend and JavaScript, HTML, CSS, JSP for the frontend
- Established connection to MySQL through JDBC, which was used to store the doctor and patient records

Machine Learning – Hair and Skin Segmentation analysis (Kaggle Competition) | [Link](#)

- Created a linear regression model to determine accuracy of the Boston dataset using algorithms such as Gradient Descent, Stochastic Gradient Descent with an accuracy of 83% using Google Colab
- Developed deep autoencoder using U-NET model for hair and skin segmentation using Keras, tested it on Celeb-A dataset using Python, Keras, Numpy, scikit-learn