Prerana Singh

Charlotte, NC, 28262 | preranas.20@gmail.com| (704) 906 6266 |https://www.linkedin.com/in/prerana-singh/

LINKS

Portfolio: https://preranas20.github.io/
GitHub: https://github.com/preranas20

EDUCATION

University of North Carolina at Charlotte
Master of Science, Computer Science
Dec 2018 | Charlotte, NC | GPA - 3.8/4

Guru Gobind Singh Indraprastha University
Bachelor of Technology, IT
May 2013 | New Delhi, India | Aggregate - 72.61

SKILLS

PROGRAMMING
- Java / Java EE
- JavaScript
- SQL
- Android
- Swift
- Python
- MATLAB

DATABASE & FRAMEWORKS
- Spring, MVC, Spring Boot
- Hibernate
- RESTful Web Services
- MySQL, Oracle 11g
- jQuery
- NodeJS, ExpressJS
- AngularJS, Angular 5
- MongoDB
- AWS
- Firebase
- SQLite, Realm for Android

TOOLS & IDEs:
- Eclipse / STS
- NetBeans
- Tomcat, Apache, JBoss
- RedHat Ansible Tower
- Maven
- GIT, TortoiseGIT
- Postman
- GitHub, BitBucket
- JIRA, Rally
- MaterializeCSS, Bootstrap 4

OTHER SKILLS
- Object- Oriented Programming
- Software Development Lifecycle (SDLC)
- Data Structure & Algorithm
- Agile Methodology
- Software Design Patterns
- API Development
- Web Services
- Machine Learning
- HTML5, CSS3
- SAP PI/PO
- SAP NetWeaver

EXPERIENCE

Signature Commercial Solutions| Client: Bank of America | Application Programmer
Feb 2019 – Present | Charlotte, NC

- Working in the Marketing Domain on a hybrid IPad application for the client, developing user interfaces using AngularJS.
- Responsible for migrating the application to Angular 5 from AngularJS.
- Involved in implementation of a capability that was patent by the client.
- Involved in developing Java Web services using Spring framework, Hibernate and Oracle, code reviews using source control tools like Bitbucket and GIT and conducting unit testing.
- Involved in deploying the project in DEV, SIT and UAT environment using RedHat Ansible Tower with CI/CD process and provide support to QA Team and business user with the application.
- Participated in 7 production releases and have solely supported the application post-production.
- Engaged in sprint meetings like daily standup, Backlog Grooming, Dev Grooming, Sprint Review & planning as part of team's agile software development methodology; using tools like Rally and Jira.

Ramana Coaching Center| Fall IT Intern
Sep 2018 – Dec 2018 | Charlotte, NC

- Developed web application for the organization that helps students and staff to manage their classes, enrollment, registration and practice tests for SAT Preparation.
- REST APIs developed in Spring Framework with MySQL database using jdbcTemplate and deployed on AWS EC2 server. Developed functionalities in the portal using Java(J2EE), AngularJS, Bootstrap, HTML5 and CSS3.
- Led a team of 4 providing backend solutions for the web application. Integrated AWS SES and SNS services to allow bulk emails and SMS to be sent through client side.

Accenture Solutions Private Limited | Application Development Analyst
Nov 2015 - Dec 2016| Hyderabad, India

- Designed over 70% of SAP Process Integration interfaces for a leading client in Steel industry so as enable communication between SAP and non-SAP systems throughout the project.
- Awarded as Best Performer for giving optimal solutions within the tenure and appreciation from the client and Accenture Leadership for excellent delivery and client satisfaction.
- Proposed and implemented user defined functions in java for complex mappings resulting in reduced data turnaround time in the procure-to-pay process from 1 day to 4 hours enabling clients to have faster response time to purchase requests.

Accenture Solutions Private Limited | Associate Software Engineer
Dec 2013 - Oct 2015| Hyderabad, India

- Developed Java based ERP system with ability to inherit and customize certain functionalities. The application was integrated with SAP Systems to build interfaces so as to convert data in various formats for a leading client in Automotive industry.
- Trained 10 members of the team on the upcoming new technologies related to SAP PI/PO and technical challenges faced by the team.

PROJECTS

- **SMS Gateway**: Developed a mobile SMS gateway using an android app which is deployed to enable sending and receiving of SMS. The mobile app notifies a server when SMS is received or sent and indicate the sender, receiver and message. The application is built in NodeJS, ExpressJS, MongoDB, KnockoutJS and Android.
- **Innovative Computing Projects App**: Developed an app for College of Computing and Informatics' poster competition event. It automates the evaluation process, making it easier to evaluate the teams and maintain the users and team score through easy login and team detection using QR Code, saving survey answers through mobile app and live view of results to administrator through Web App.
- **Book Review System**: Web Application that helps bibliophiles to discover books based on their interests and reviews. Users can maintain their profile, add reviews, upvote and downvote other reviews and maintain wish list of their favorite books. Application was developed in Java using Jersey for RESTful web services with database in MySQL and used vanilla JavaScript, HTML and CSS with MaterializeCSS for front end.
- **Emotion Detection in Speech:** Implemented predictive models to classify the emotions in human speech and comparing the accuracies of various models. Used speech feature extraction package known as PyAudioAnalysis on American English and German Database (RAVDESS and Berlin dataset).