

PRERANA SINGH

Charlotte, NC 28262 | 704-906-6266 |

preranas.20@gmail.com

Portfolio: <https://preranas20.github.io/>

LinkedIn: <https://www.linkedin.com/in/prerana-singh/>

GitHub: <https://github.com/preranas20>

EDUCATION

University of North Carolina at Charlotte

Master of Sciences, Major: Computer Science

December 2018

Current GPA: 3.77

Guru Gobind Singh Indraprastha University, Delhi, India

Bachelor of Technology, Major: Information Technology

May 2013

Aggregate: 72.61 | CPI: 68.29

TECHNICAL SKILLS

Programming languages: Java EE, Android, Python, MATLAB, JavaScript, JSP, HTML5, CSS3

Database Systems: MySQL, SQLite, Realm for Android, Firebase, MongoDB

Tools & IDE: Eclipse, Tomcat, Maven, STS, NetBeans, Anaconda, Jupyter Notebook, Postman, GIT, GitHub, JUnit

Frameworks: Java EE, Spring Framework, MVC, NodeJS, ExpressJS, AngularJS, Bootstrap 4, MaterializeCSS, Mocha and Chai

Operating Systems: Windows, Mac, Android, Linux

Other Skills: SDLC, Agile Methodology, Algorithms and Data Structures, Software Design Patterns, Machine Learning, HTTP

PROFESSIONAL EXPERIENCE

Ramana Coaching Center, Charlotte, NC

Fall Intern

September 2018-Present

- Developing website for the organization that help 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 application servers using Maven. Developing functionalities in the portal using Java(J2EE), AngularJS, Bootstrap, HTML5 and CSS3.

Accenture Solutions Pvt. Ltd., Hyderabad, India

Application Development Analyst

November 2015-December 2016

- 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 procure-to-pay process from 1 day to 4 hours enabling clients to have faster response time to purchase requests.

Associate Software Engineer

December 2013-October 2015

- Adapted agile methodology for software development to convert business requirements into quality products 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.

Innodata Isogen Pvt. Ltd., Noida, India

Java Intern

June 2012-July 2012

- Developed web-based ATM Banking System in Java using JSP and Servlets with JDBC connectivity and MySQL.
-

ACADEMIC PROJECTS

- **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).
- **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.
- **MakerNet:** Social Web Application developed to connect makers of Makerspace to the audience, view their work and let other utilize the waste material which came as byproduct of the projects. Developed the application using MEAN Stack with JS libraries like Passport.js, Moments.js and Multer. Unit Testing completed through Mocha and Chai framework.
- **Trip Planner:** Developed an android application where the users can plan trips. Features included adding new trips, adding places to new trips, delete the places and display maps of the trips. Used Firebase for data storage and Google Places API to retrieve geo coordinates of the city and nearest places. Implemented Recycler Views and Google Maps in the app.