

SAI SANDEEP NANGINENI

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PROFILE SUMMARY

Proficient and talented in problem solving, with good written and verbal communication, analytics, coding, motivated and has a vision. Talented, innovative, and enthusiastic about learning emerging technologies, and solve complex problems. Professional experience in application development. Good knowledge of workflows, object-oriented design and SDLC(Software Development Life Cycle).

EDUCATION

Master's in Computer Science

(August 2021 - Present)

California State University East Bay (CSUEB), California, United States

Coursework: Data Structures, Database Management Systems, Operating Systems, Advanced Computer Networks, Full Stack Development, Advanced Algorithms.

Bachelors in Computer Science Engineering

(August 2017 - August 2021)

Gokaraju Rangaraju Institute of Engineering and Technology, India

Coursework: Data Structures, Database Management Systems(DBMS), Object-Oriented Design(OOD).

EXPERIENCE

- **Gayatri Projects Private Limited | Software Engineer Intern** (January 2020 - August 2021)
 - Worked on Agile methodology including team-based design and code reviews.
 - Implementation of **MVC** architecture by separating the Business Logic from the presentation Logic using the Struts framework.
 - Worked on **XML** for transferring and retrieving data between different applications.
 - Worked in using AngularJS components, Forms, Events, Keys, Router, Animations, and Flux concepts.
 - Developed the User Interactive web pages in a professional manner using web technologies like **HTML**, **CSS**, **XHTML**, and **jQuery**, based on **ADA** standards.
 - Interacted with java controllers (**JQUERY**, **Ajax**, and **JSON** to write/read data from back-end systems).
 - Used **SVN** for version control and **QC** for defect tracking.
 - Worked on the existing code into **JSP** by using core **JSTL**.
 - Used **NoSQL** database Cassandra for having high efficiency and a good response to the request.
 - Worked with Cassandra Node Connector for database persistence to interact with Cassandra **NoSQL** DB with Spring Data to unify and ease the access to Cassandra persistence stores.
 - Prepared JUnit test cases using **Mockito** and **PowerMockito** and executed the test cases using JUnit.
 - Used **Eclipse** as **IDE** for the development of the application and **SVN** for the code repository.
 - Experienced **GIT** for maintaining source code.
- **Ingwa Labs | Web Developer Intern** (September 2018 - December 2019)
 - To analyze the requirements and develop enhancements that will mostly benefit users.
 - Modified the existing website by adding suitable naming conventions and coding standards.
 - Worked with user interfaces and applied usability principles to portals.
 - My primary role was to improve **GUI**, solve navigational issues and provide support to the senior web developers.
 - Used Wireframes to draw the user requirements.
 - Developed **UI** using **HTML**, **CSS**, **JavaScript** validations and **XML**.
 - Developed clickable prototypes using **HTML**, **DHTML**, **Photoshop**, **CSS** and **JavaScript**.
 - Involved in writing application-level code to interact with **APIs**, and **Web Services** using **AJAX**, **JSON** and **XML**.
 - Provided maintenance to several websites.
 - Responsible for code optimization and testing of the website across different browsers.
 - In addition to code development, maintained project documentation and assisted in application design.
 - Created and maintained the layout and look and feel of each portal with **CSS**.
 - Handled **PHP** backend development for a dynamic database-driven website
 - Used **JavaScript**, **CSS**, and **HTML** to create front-end screens of the module
 - Tested websites and fixing any existing bugs using **Firebug**.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, C++, C#, Java, Python, C
 - **Frameworks:** .NET, VueJS, React Native, Spring Boot, Bootstrap, Mocha, Chai
 - **Relational Databases and Non-Relational Databases:** MySQL, Oracle, MongoDB, DynamoDB
 - **Tools:** IntelliJ, Postman, NPM, Git, Github, AWS, Google Maps Platform, Jenkins, Android Studio
 - **Web Technologies:** HTML5, CSS, ReactJS, NodeJS, ExpressJS, Rest APIs, AngularJS, Typescript
 - **Platforms:** Linux, Windows, Mac
 - **Interests:** Automation, Web development, Micro Services
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PROJECTS

- **Farmers Club Web Application | Reactjs, Express.js, Node.js**
 - Designed and developed a Web application for a farming club using MERN (MongoDB, Express JS, ReactJS, Node JS) to display the statistical growth in the crop yield and buy their franchised apparel.
 - Implemented Role-Based Authentication to provide different UI for different roles (mem/non-mem/admin).
 - Backend unit Testing scripts are scripted in Mocha with chai assertions and executed.
 - **Distance Matrix Routing Application | Reactjs, Google Maps Platform**
 - Worked independently on a website for delivery drivers to reach multiple destinations in minimal time.
 - Used TomTom map SDK to get the real-time traffic on roads to give the best route.
 - The default route was calculated for the cars. Can be calculated for other modes of transport as well.
 - **Cryptocurrency Dashboard | Reactjs, React Hooks, Rest API**
 - Developed a dashboard to display the price of Crypto Currency in real-time.
 - Real-time prices are retrieved from coingecko.com with the help of open-source Rest API.
 - Price updates of the digital currencies are executed with react hooks.
 - **Serverless URL Shortener | AWS, JAVA, API gateways, DynamoDB**
 - Designed a static HTML webpage and implemented a Serverless URL Shortener.
 - GET, POST methods were used to redirect the short URL and to store the token value.
 - DynamoDB was used to store the short and destination URLs.
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CERTIFICATIONS

- **Back End Development and APIs (FreeCodeCamp) | NodeJS, MongoDB** (Sep 16, 2022)
 - Completed around 300 hours of coursework by freeCodeCamp. [Click here.](#)
- **Database Design and Database Programming (Oracle)** (June 29, 2019)
 - Completed an examination on Database Design and Database Programming by Oracle academy.

Here is my portfolio showing my interests and the projects I have worked on. [Please have a look.](#)