# 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. Good knowledge of workflows, object-oriented design and SDLC(Software Development Life Cycle), and Agile Methodologies.

## 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

- **United It | Software Engineer**                                          (January 2023 - Present)
  - Participated in Agile Scrum methodology for application development. Analysis, design, coding, unit, and integration testing of business applications in an object-oriented environment.
  - Implemented microservices using Spring Boot, spring-based microservices, and enabled discovery using the server.
  - Implemented the application using Spring Boot Framework and handled Security using Spring Security for implementing authentication, authorization, and Access-Control features.
  - Experience on AWS Deploying, managing, and operating scalable, highly available, and fault tolerant systems and managed continuous delivery systems and methodologies on AWS.
  - Involved in analysis, specification, design, implementation and testing phases of Software Development Life Cycle (SDLC) and used Agile methodology (SCRUM) for developing applications.
- **Gayatri Projects Private Limited | Software Engineer Intern**          (October 2020 - August 2021)
  - Developed a Business Application that consumes and processes information from 200+ agencies to provide state- wide reporting for alignment with legislative mandates.
  - Fine-tuned the SQL queries and achieved a time reduction of 65% on the statistical reports of 1M records.
  - Implemented microservices using Spring Boot, spring-based microservices, and enabled discovery using the server.
  - Developed and maintained a Jenkins-based CI/CD pipeline for a web application, automating the build, test, and deployment processes.
- **Ingwa Labs | Web Developer Intern**                              (February 2019 - December 2019)
  - Assisted in designing and developing the website for Ferns N Petals using programming languages like React.js, HTML, CSS, JavaScript, and other web development tools.
  - Displayed the content on the website from MongoDB by making API calls using Node.js.
  - Collaborated with the team of designers, developers, and project managers to ensure that the website meets the requirements and standards.
  - Tested the website for bugs and other issues and fixing them in a timely manner using Postman.

## TECHNICAL SKILLS

- **Programming Languages:**  JavaScript, C++, C#, Java, Python, C, Swift
- **Frameworks:** .NET, VueJS, React Native, Spring Boot, Bootstrap, Hodoop, Mocha, Chai
- **Database:** MySQL, Oracle, MongoDB, DynamoDB, H2
- **Tools:** IntelliJ, Postman, NPM, Git, Github, AWS, Google Maps Platform, Jenkins, Android Studio, Gitlab
- **Web Technologies:** HTML5, CSS, ReactJS, NodeJS, ExpressJS, Rest APIs, AngularJS, Typescript
- **Platforms:** Linux, Windows, Mac
- **Interests:** Automation, Web development, Micro Services

# 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.

# 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.