

SAI SANDEEP NANGINENI

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PROFILE SUMMARY

Proficient and talented in problem-solving, with good project management experience, analytical skills, basic programming, excellent communication skills, and vision. Talented, innovative, and enthusiastic about learning emerging technologies and good project scope. Professional experience in application development, good at workflows.

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 Programming.

SKILLS

- **Programming Languages:** Java, JavaScript, Python, C++, C
 - **Front End Technologies:** HTML5, CSS, Bootstrap, ReactJs, AngularJS
 - **Back End Technologies:** Express JS, Node JS, Rest API, .NET, Spring Boot
 - **Database:** SQL, Oracle, MongoDB
 - **Web Services:** AWS, Google Maps Platform
 - **Version Control:** GitHub, Git
 - **Testing Tools & Frameworks:** Postman, Mocha, Chai
 - **Extras:** Linux
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PROJECTS

- **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).
 - 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 and can be calculated for other modes of transport as well.
- **Pinos Operating System Implementation | C, Unix**
 - Worked on Kernel Thread Implementation, Loading of User Programs into memory, and running them. Also handled File System and Virtual Memory from scratch.
 - Gained extensive knowledge of multithreading, Operating System concepts like Semaphores, and Job Scheduling Algorithms.
- **Serverless URL Shortener | AWS, JAVA, Lambda function, 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.
- **Cryptocurrency Dashboard | Reactjs, Hooks, Rest API**
 - Developed a dashboard to display the price of Crypto Currency in real-time.
 - Real-time prices are retrieved from cryptogecko.com with the help of open-source Rest API.
 - Price updates of the digital currencies are executed with react hooks.

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