

Sasank Madati

Bachelor of Technology
Indian Institute Of Information Technology Design & Manufacturing

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🐙 GitHub Profile
🌐 LinkedIn Profile

EDUCATION

- **Indian Institute Of Information Technology Design and Manufacturing** 2020-24
Bachelor of Technology in Computer Science and Engineering CGPA: 8.97
- **FIITJEE International School** 2018-2020
Andhra Pradesh Board of Intermediate Education Score: 961/1000
- **VS St. John's Higher Secondary School** 2018
Central Board of Secondary Education(C.B.S.E) Score: 448/500

PERSONAL PROJECTS

- **arsync**
A CI/CD tool that can build, test and deploy your static websites into a decentralised network
 - Allows users to deploy a static website from their GitHub into a decentralised and secure network through Arweave permaweb
 - Uses Github API and Github Actions to authenticate and automate the build, test, and deploy process.
 - **Technology Used:** ReactJS, Express, Python, Vercel, Google Cloud, Github API, Actions
- **Music Stats**
Web app for displaying Spotify stats and offering genre-based recommendations
 - Allows user to know details about their listening habits once logged in with Spotify account
 - Also generates genre based recommendations based on their listening history
 - **Technology Used:** Python, Flask, Javascript, Bootstrap, SQLite, Sptotify and LastFM APIs.
- **Incognito text**
A Simple, Minimalist Anonymous Texting Web App
 - Developed a chatroom which doesn't require any personal details or username and password to chat.
 - **Technology Used:** Flask, postgresSQL, HTML+ CSS, Bootstrap.
- **BlockBoard**
Decentralised universal clipboard.
 - Securely transfer text, images between any two devices irrespective of the OS and Architecture
 - Also optionally removes the background of the person when sending the images
 - **Technology Used :** Express, Python, Flutter, CSS, HTML, Web3(FileCoin).

EXPERIENCE

- **Software Engineering Intern** May 2023 - Present
Quantrium
 - Worked on a project to automate and optimize the companies deployments after In-depth understanding of tech stack of the company including Docker, Google Cloud, BitBucket and Jenkins CI/CD Automation
 - Worked on designing a REST API using FastAPI framework, MongoDB and vueJS through AWS Amplify
 - Gained Strong knowledge of architectural best practices for building REST API including Security, Authorization, performance, and optimization.
 - Hands-on experience in cloud infrastructure provisioning, monitoring, and automation using Google Cloud console.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS

Dev Tools: Docker, CI/CD, Nodejs, ReactJS, VScode, JetBrains, Git, Github, BitBucket

Frameworks: Express, FastAPI, Flask

Databases: noSQL(MongoDb, DynamoDB), mySQL

Cloud: Google(CLI, Cloud Run, Compute Engine, Artifact Registry, Kubernetes Engine, IAM), AWS(CLI, boto3, EC2, S3, Amplify, IAM)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

Areas of Interest: Software Development, Cyber Security, DevOps, ML/AI and Web3.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Hard-Working

ACHIEVEMENTS

- Won the Best Project Award, for arsync, in the Arweave Hackathon, receiving a prize of \$1500.
- Winning project of HackVerse - Tamil Nadu's Biggest web3 Hackathon, for BlockBoard, receiving prize Rs 15,000
- Prize winner of HackNITR4.0, for Divide'n'conquer receiving prize Rs 20,000
- Member of Institute eSports Team