

Saicharan Reddy Shankar

Always enthusiastic to learn new technologies and the depths of their applications to create a better world with code.

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EDUCATION

Information Technology

Indian Institute of Information Technology,
Allahabad

07/2016 – Present

Bachelors of Technology(B.Tech)

- Data Structures
- Object-Oriented Methodologies
- Algorithms
- Operating Systems
- Database Management Systems
- Theory of Computation

WORK EXPERIENCE

Co-Founder

Freeflo

A technical startup providing technical assistance and applications for other startups.(www.freeflo.tech) - Hyderabad

- Worked on Full Stack Applications and Machine Learning Tools. Also monitored and came up with strategies for their integration.
- Worked along with the team to discuss about various product ideas, understand the product's requirement and implemented them in code by choosing the right tools and technologies.
- Managed and created an open-access research publication website, a smart recruitment software and also created our very own blockchain for document storage(would be extended for other uses cases too).
- Currently the official tech partner for 3 startups/companies.

Lead Course Instructor- Full Stack Applications

SkillLauncher- Techimax IT services Pvt Ltd

Dallas Fort Worth - Hyderabad

- Built an Enterprise Level Social Networking Application including Authentication & Authorization, News Feed, Live Chat & Profile Management. Also developed unit tests and integration tests for the same.
- Wrangled with the data in Mongo databases hosted on the cloud.
- Used AWS services such as S3 and IAM in the process of deployment for storage and services access.
- Created REST APIs for further extension to Mobile & Desktop
- Created videos with a step-by-step tutorial for each stage in the Development
- Currently monitoring the course content and frequently update the assignments and test cases regularly.

Open Source Developer, Free and Open Source Software Society(FOSS)

GeekHaven, Technical Society, IIIT Allahabad

07/2017 – Present

Allahabad

- Organized many technical workshops, quick talks and contributed in maintaining and developing the college websites.
- Organized OpenCode along with the FOSS team, A month-long open source event.
- Collectively built and mentored contributors in building a smart python web application in OpenCode18.

SKILLS

Version Control

Git

HTML

CSS

Python

Flask

SQL

PL SQL

C++

Java

Javascript

Computer Vision

OpenCV

Pandas

AJAX

Data Visualization

NoSQL

MongoDB

Blockchain

AWS

PROJECTS

Axizoun(Flask, AWS, MongoDB)

- A software developed to streamline the current recruitment process by laying an emphasis on the skills rather than the scores. Uses a Computer Vision driven approach to compare solutions during the screening process for filtering

Anti Depressant Bot - Hack In The North (Rasa Stack, Python)

- This bot analyses a user's depression, suggests treatments to overcome the depression and also predicts if the user is prone to it in the future too.

BestBuy Deals- Alexa Skill(Flask, Python)

- An alexa skill developed for alexa enabled devices which scrapes the Best Buy website and gives you the top 5 deal suggestions for the day.

Stock Exchange Website(Flask, SQL)

- A stock exchange website where users can register themselves and sign-in, look up the current prices of stocks, buy and sell shares in real-time.

Let's-Hi5(Flask, MongoDB)

- An enterprise level social networking application including features such as Authentication & Authorization, Posts Feed, Live Chat and Profile Management.

NBAVisualize(Javascript)

- This is a data visualization project which analyses and processes the New York Knicks shot dataset to give a heat map of the shots.

Nebula(Python, Flask)

- A blockchain created using endpoints which adds transactions onto the ledger based on a consensus mechanism

Zencash Crypto-Currency Mining Pool(Node.js, Javascript)

- A stratum mining pool built on a VPS which acts as a platform to aggregate the computation power for a better mining performance.

For information about my other projects, please follow this link. [↗](#)

CERTIFICATES

CS50: Harvard University

An online MOOC which involved projects in various fields of computer science such as web development, machine learning and data analysis.

The Python Mega Course: Real World Applications [↗](#)

A complete course on python which involved projects on Data visualization, Image Processing, database applications and other fields.

Blockchain A-Z: Create your own blockchain

An online MOOC which included the vast concepts of blockchain and hands-on live tutorials on the mechanisms behind each one of them.