

# SANTOSH PENUGURTHI

Blockchain + AI + IoT | Prompt Expert [ChatGPT etc.] | Web3 | Smart Contract | Dapp | DAO | NFT | Web Developer [MERN] | Mobile Application Developer [React Native] | Software Developer | NLP Engineer | Graphic Designer

To build a successful career in the field of Computer Science Engineering utilizing my analytical communication, Interpersonal skills, and fast learning skills in the growth of my personal career and the organisation and to enhance my educational and professional skills in the stable and dynamic workspace.

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📍 RGUKT-Nuzvid, Vijayawada, India

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🔍 <https://www.santoshweb3.site>

## EDUCATION

### Ethereum

Alchemy University

06/2023 – present,

### BTech (Computer Science)

Rajiv Gandhi University of Knowledge

Technologies, Nuzvid

07/2019 – 05/2023,

9.0

### PUC (Pre-University Course)

Rajiv Gandhi University of Knowledge

Technologies, Nuzvid

06/2017 – 05/2019,

8.90

### Secondary Education

ZP High school, Srikakulam

06/2014 – 03/2017,

10.0

## WORK EXPERIENCE

### XDC Web3(Berlin) Hackathon Project Developer

XDC

06/2023 – 07/2023

Achievements/Tasks

We, the dedicated team collaborated closely to seamlessly integrate our smart contracts with the XDC Apothem Network. This encompassed deploying and thoroughly testing the contracts, ensuring smooth execution, and overcoming any unexpected challenges during the deployment phase. As a result, we achieved live interaction capabilities with the deployed smart contract on the XDC Apothem Network.

**Skills used :** XDC Network, Blockchain, Web3.0, Smart Contracts, Solidity, Dapp

### Fantom Q2 2023 Hackathon Project Developer

Fantom Foundation

05/2023 – 07/2023

Achievements/Tasks

We, the dedicated team collaborated closely to seamlessly integrate our smart contracts with the Fantom mainnet. This encompassed deploying

and thoroughly testing the contracts, ensuring smooth execution, and overcoming any unexpected challenges during the deployment phase. As a result, we achieved live interaction capabilities with the deployed smart contract on the Fantom mainnet.

**Skills used :** Fantom Opera, Blockchain, Web3.0, Smart Contracts, Solidity, Dapp

### Chainlink Spring 2023 Hackathon Project Developer

Chainlink

04/2023 – 06/2023

Achievements/Tasks

Chainlink decentralized oracle networks are at the centre of this evolution, enabling developers to leverage high-quality data from APIs and other data sources along with powerful off-chain computation resources to build the next generation of smart contract applications.

**Skills used :** Ethereum, Blockchain, Web3.0, Smart Contracts, DAO, Dapp

### Ethical Hacking & Cyber Security Internship

Supraja Technologies

12/2020 – 02/2021

Vijayawada, Andhra Pradesh

Achievements/Tasks

I have learnt intermediate networking concepts in a practical approach

I have learnt some network securities in a practical approach

I have implemented some attacks in order to test the vulnerabilities

**Skills used :** Computer Networks, Cryptography and Network Security

### React Native Developer [Mobile Application]

AstroVillage

01/2022 – 06/2022,

Achievements/Tasks

Developed Cross Platform Mobile Application for AstroVillage by using React Native from Scratch.

**Skills Used :** JavaScript, React, React Native, expo (CLI)

### Junior Java Developer Apprenticeship

CodeGym

09/2021 – 12/2021,

Achievements/Tasks

CodeGym is an interactive educational platform where I have learnt Java programming from scratch to Java Junior level. The main features are lots of practice with instant solution verification and gamification

**Skills Used :** Advanced Java, Problem Solving

## Artificial Intelligence - Machine Learning Virtual Internship

### AICTE

03/2022 - 05/2022,

Achievements/Tasks

I have learnt some concepts of self-process, self-learn, self-think, and finally self-correct themselves in a practical approach.

I have learnt some logical algorithms & statistical models are designed & formulated to equip systems to self-learn by identifying data patterns & trends; and drawing inferences & conclusions from the same in a practical approach.

**Skills/Tools Used** : Python , Web Scrapping, DAA, DS, Math, Software Engineering, Software Testing

## PROJECTS

### My-Portfolio

Duration : 1 Month

Team Size : 1

Role Player: Developer

Skills Used : HTML, CSS, JavaScript, React, Git, GitHub Pages

Project Source - <https://github.com/SantoshPenugurthi/my-portfolio>

### Artificial Intelligence Integrated Blockchain for Autonomous Vehicles

Duration : 12 Months

Team Size : 3

Role Player : Team Leader, Blockchain Developer

Skills Used : Blockchain, AI, IoT, Programming

Decentralized Autonomous Vehicles is a network that will ultimately connect self-driving vehicles to every vehicle on the Blockchain network, enabling them to make secure real-time decision making.

Project Source - <https://github.com/SantoshPenugurthi/AI-Integrated-Blockchain-for-Autonomous-Vehicles>

### Topic Modelling on Telugu-English Code-Mixed data using LDA (Natural Language Processing)

Duration : 6 Months

Team Size : 5

Role Player : Team Leader, Model Developer, Model Tester

Skills Used : Python (NumPy, Pandas, Matplotlib, Scikit-learn, gensim, nltk, corpus, re, string etc..), Web Scrapping, DAA, DS, Math

The aim of learning is to discover, from a corpus of documents, good word distributions of the various topics, as well as good topic proportions in the various documents. Most of the Topic Modelling techniques applied on English, Hindi, Telugu, Hindi-English code-mixed data

But there is **no proper work on "Telugu-English"** code-mixed data.

Project Source - <https://github.com/SantoshPenugurthi/Topic-Modelling-on-Telugu-English-Code-mixed-data-using-LDA>

### Smart Dustbin using IoT

Duration : 1 Month

Team Size : 5

Role Player : Programmer

Skills Used : C, C++

Smart Dustbin as its name represents it works smartly or we can say that it is an automatic dustbin. it works like when you will come in front of this dustbin it will open automatically with the help of a servo motor. So, there is some sensor work to detect the object in front of the dustbin.

Project Source - [https://github.com/SantoshPenugurthi/Smart\\_Dustbin\\_Using\\_IoT](https://github.com/SantoshPenugurthi/Smart_Dustbin_Using_IoT)

## SKILLS

**Programming Languages** : C, C++, Java, Python, JavaScript, Solidity

**Web Technologies** : CSS, HTML, JavaScript, Bootstrap, Express, React, Node.js.

**Mobile Technologies** : React, React Native, CLI(Expo), Node.js.

**Other Technologies** : AI, ML, NLP, IoT, Cyber Security, Blockchain

**Databases**

: MySQL, MongoDB

**Tools**

: Ms Office, Adobe Photoshop, Adobe Illustrator, Adobe Premier Pro, Adobe After Effects, Arduino

## AREA OF INTERESTS

1. Blockchain Development
2. Software Development
3. Web Development
4. Mobile Application Development

## PARTICIPATIONS & PRESENTATIONS

**1.Google HashCode** Issued by Google

Secured Global 2877th Rank in Google HashCode Qualification Round 2022.

**2.Google KickStart** Issued by Google

Secured Global 3868th Rank in Google KickStart Round H 2021.

Secured Global 6140th Rank in Google KickStart Round G 2021.

**3.ReactJs Live Coding Workshop** Issued by Cuvette

Successfully completed 3 hours live coding workshop to successfully build twitter clone using react.

**4.MERN Stack Live Coding Workshop** Issued by Cuvette

Successfully completed 3 hours live coding workshop to successfully build book store app using MongoDB, Express, React, Node.

**5.Ethical Hacking & Cyber Security Workshop** Issued by Supraja Technologies

Successfully completed 3 days' workshop where I have learned some Beginner level of Hacking, Computer Networks and Network Security.

**6.Selenium Conf Lite Conference**

Successfully sharpen my beginner level test automation skills and shed light on the future of testing using Selenium (Web App) and Appium (Mobile App).

**7. Web3 Conclave**

This is India's largest ever conclave on Web3 covering all the different verticals in the Web3 Universe

**8. Emerging Technologies in the IT**

A Three-Day workshop on the emerging technologies in the IT. I have successfully got some beginner level idea on AI, NLP, AWS, DevOps, Speech Recognition etc...

## LICENCES & CERTIFICATIONS

**1.Ethereum Development**

Issued by: Alchemy University

**2.Blockchain Specialization**

Issued by: Coursera

**3.Full Stack Web Development with React Specialization (MERN)**

Issued by: Coursera

**4.Metaverse**

Issued by: Coursera

**5.AWS Academy Graduate - AWS Academy Cloud Foundations**

Issued by: Amazon Web Services (AWS)

**6.AWS Academy Graduate - AWS Academy Machine Learning Foundations**

Issued by: Amazon Web Services (AWS)

**7.Full-Stack Web Development**

Issued by: Progate

**8.HackerRank**

Secured Gold badges in C, C++, Python, Java

## EXTRA & CO-CURRICULAR ACTIVITIES

1. NSS Volunteer

2. All India Inter University Yoga Championship Management Team member

3. Infra team member in Teckzite-2020

## LANGUAGES

Telugu

*Native or Bilingual Proficiency*

English

*Professional Working Proficiency*

**PERSONAL INTERESTS**

- Cricket
- Chess
- Coding
- CTF (Capture The Flag)

**OTHER SKILLS**

- **Typing speed:** 50-70 WPM