

# SANTOSH PENUGURTHI

Blockchain Developer | Mobile Application Developer | Web2.0 & Web3.0 Developer | Software Developer | NLP...

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.santoshweb.com>

## EDUCATION

### BTech (Computer Science)

Rajiv Gandhi University of Knowledge Technologies, Nuzvid

07/2019 - Present,

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

### 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 - Present,

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 - Present,

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

### Designer

SDCAC (Student Development and Campus Activity Cell)

06/2020 - 06/2021

RGUKT, Nuzvid

Achievements/Tasks

Worked as a designer

Student Development & Campus Activities cell (SDCAC) of Rajiv Gandhi University of Knowledge Technologies-Nuzvid promotes the integral part that occurs outside the classroom through co-curricular activities. It mainly focuses on overall individual development of students like leadership qualities, technical skills, team work, communication skills, creative thinking, entrepreneurship qualities, ethics, moral values and professionalism.

**Skills/Tools Used** : Adobe Illustrator, Adobe Photoshop, Adobe After Effects, Adobe Premier Pro, Canva

### Designer

Teckzite'21

05/2021 - 07/2021,

Achievements/Tasks

Worked as a designer

Teckzite is a national level Techno-management annual Techfest of RGUKT Nuzvid

**Skills/Tools Used** : Adobe Illustrator, Adobe Photoshop, Adobe After Effects, Adobe Premier Pro, Canva

## 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 : 6 Months [Currently Working]  
Team Size : 5  
Role Player : Team Leader  
Skills Used : Blockchain, AI, IoT

Decentralized Autonomous Vehicle is a network that will ultimately connect self-driving vehicles (such as cars, trucks, and drones etc..) to every vehicle on the network, enabling them to discover, communicate and transact. By implementing Decentralized nature from the blockchain we can do our system works well when there are some environmental factors (Bad weather, holes, traffic etc.). One vehicle experience will be shared to all others in the network so that other vehicles can take decisions based on the experience. so that all the vehicles, connected to that decentralized shared ledger can learn automatically take decisions from the experience of one single vehicle instead of training each vehicle separately. Here we have used blockchain and artificial intelligence. Blockchain provides concept of public ledger where all the activities happening within the nodes of blockchain network.

## 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, genism, 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.  
**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. Software Development
2. Mobile Application Development
3. Web Development
4. Blockchain Development

## PARTICIPATIONS & PRESENTATIONS

**1.Project Expo (Smart Dustbin using IoT)**  
Department Event: Invincy  
Place: 1st prize  
Location: RGUKT Nuzvid

- 2.Google HashCode** Issued by Google  
Secured Global 2877th Rank in Google HashCode Qualification Round 2022.
- 3.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.
- 4.ReactJs Live Coding Workshop** Issued by Cuvette  
Successfully completed 3 hours live coding workshop to successfully build twitter clone using react.
- 5.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.
- 6.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.
- 7.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).
- 8. Web3 Conclave**  
This is India’s largest ever conclave on Web3 covering all the different verticals in the Web3 Universe
- 9. Emerging Technologies in the IT**  
A 3 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.Blockchain Specialization**  
Issued by: Coursera
- 2.Full Stack Web Development with React Specialization (MERN)**  
Issued by: Coursera
- 3.Metaverse**  
Issued by: Coursera
- 4.AWS Academy Graduate - AWS Academy Cloud Foundations**  
Issued by: Amazon Web Services (AWS)
- 5.AWS Academy Graduate - AWS Academy Machine Learning Foundations**  
Issued by: Amazon Web Services (AWS)
- 6.Full-Stack Web Development**  
Issued by: Progate
- 7.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