

# Bala Subramanyam Karri

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## SKILLS

### PROGRAMMING

Java, Python, Rust, Solidity, DSA & Algo  
HTML, CSS, JS, TS, Node JS, React JS,  
Flask, SQL, MongoDB, Git,  
AWS, Jenkins, Terraform, Ansible,  
Docker, Kubernetes, Hardhat

### MACHINE LEARNING TOOLS

Scikit-learn, XGBoost, Pandas  
Numpy, Clustering, MBA Analysis  
Data Analysis, Data Science

## EDUCATION

### BACHELOR OF TECHNOLOGY

COMPUTER SCIENCE ENGINEERING  
KESHAV MEMORIAL INSTITUTE OF  
TECHNOLOGY 7.3/10

May 2019 - July 2022 | Hyderabad,  
India

### DIPLOMA IN COMPUTER ENGINEERING

GOVERNMENT POLYTECHNIC,  
MASABTANK - 8.0/10

Jun 2016 - May 2019 | Hyderabad,  
India

## ACHIEVEMENTS

- Received an International Job Offer from JPMC, UK
- Ranked 1st position at Data Science competition organized by Analytical Vidya for building a classifier model with 91% accuracy.
- Achieved 198 State Rank in E-CET.

## CERTIFICATIONS

### AWS CLOUD PRACTITIONER

AWS | GDT6UYTHKASJ

I have learned so much about the services provided by AWS

### IBM DATA SCIENCE

SPECIALIZATION [Link](#)

COURSERA | GDT6UYTHKASJ

This Specialization Consists of 9 Courses that independently helped me build Data Science experience.

## EXPERIENCE

### SOFTWARE ENGINEER | JP MORGAN & CHASE

Feb 2023 - Present | Glasgow, UK

- Developed an innovative key store integration reducing application downtime.
- Redesigned and developed the complete UI of the application using ReactJS with module federation, maintaining redux global state.
- Developed comprehensive unit tests, increasing test coverage by 8% and improving code reliability.
- Worked on migrating the database from MarkLogic to MongoDB and successfully migrated the data with zero downtime.
- Successfully integrated an external document creation tool using AWS Lambda and designed APIs for seamless integration.

### ASSOCIATE SOFTWARE ENGINEER | CYBERARK

SEP 2022 - Jan 2023 | Hyderabad, India

- Worked as DevOps Engineer for the Identity Security Product
- I have worked on building the Jenkins Pipeline which cleans up the workspaces.
- Written some terraform files to create a QA Workspace
- I have got to learn some new containerization and Orchestration tools like Docker and Kubernetes

### AI INTERN | JAZEERA TECHNOLOGIES PVT LTD

SEP 2021 - NOV 2021 | Hyderabad, India

- Worked with the team who is responsible to analyze the pattern of the Customers of a painting company for better Sales.
- Developed different machine learning models and performed hyperparameter tuning to get the best prediction accuracy out of them.
- Created a model for customer churn Detection and paint color prediction which can be suitable for the respective business of the customer.
- The model worked with 88 % of accuracy for the prediction of the colors which are suitable for the respective customer.

## PROJECTS

### PERSONAL PORTFOLIO WEBSITE

[Link](#)

- A responsive website built using React JS, and JS technologies.

### NFT MARKETPLACE CLONE

[Link](#)

- A NFT Marketplace website built using Solidity, React JS, and JS technologies, and deployed using hardhat.

### E-PASS APPLICATION USING FLASK

[Link](#)

- An E-Pass web application for inter-state travel using Flask
- The application can send the request status to WhatsApp.

### CUSTOMER CHURN PREDICTION

[Link](#)

- A Machine Learning Model trained on the sales data of paints.
- The model determines whether the customer belongs to either Churn or Active Category
- The application is deployed to the Heroku cloud platform.