

Satyavarssheni Ra V

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EDUCATION

Loyola-ICAM College of Engineering and Technology

Chennai, India

B.E in Computer Science And Engineering - **CGPA – 9.0**

Graduated in June 2024

- **Related Coursework:** Data Structures & Algorithms, Database Management Systems, Operating Systems, Cloud Computing, Cryptography and Network Security, Artificial Intelligence, Object-Oriented Programming, Software Engineering, Software Management, Python Programming

Velammal Vidhyashram

Chennai, India

10th grade – 96%, 12th grade (Bio-Math) – 93.2%

Graduated in June 2020

EXPERIENCE

DTCC (Depository Trust and Clearing Corporation)

Chennai, India

Edge IT Analyst

July 2024 – Current

- Currently working on Distributed Processing based application that processes data and data analysis with visual charts
- Created a Kafka-based application for in-order processing of data (Java Spring framework, Oracle DB)
- Learnt AWS and currently being trained on DevOps.
- Developed Backend applications like rest applications and batch applications using Java Spring framework and Oracle.
- Learned and worked using test frameworks, automation testing and Selenium.

DTCC (Depository Trust and Clearing Corporation)

Chennai, India

Software Engineering Intern

May 2023 – Jul 2023

- worked as a Backend Developer in Forex candlestick project (Trade analysis) – used spring framework and Oracle and also gained hands-on experience in real-time project execution tools, applying Agile methodologies.

PROJECTS

- **Forex Candlestick Project**– Trade analysis of forex by providing visual charts and trends using Java Spring framework.
- **Trade Processing System using Kafka** – In-order Processing of Trade data with enhanced accuracy using partitions and Java Spring Framework.
- **Cyber-bullying prevention and detection system** - multi-media analysis and three-stage prevention mechanism using Random Forest Classifier, VGG-16, MLP, CNN-RNN.
- **Chatbot for college enquiry process** – to serve as a virtual assistant providing information and support to students
- **School Management System, Exam Registration System and Budget Tracker** using Java and Spring framework
- **Sentiment Analysis of Commodity News (Gold)** using NLP and BERT
- **Emotion Recognition** - AI model to recognize the emotional state of a speaker based on voice and tone using Tensorflow-Keras and librosa
- **Mobeaze** – An E-Commerce website for mobile shopping using ReactJS

COURSES AND CERTIFICATES

- Programming for Everybody(python), Python Data Structures (Coursera)
- Big Data Analytics
- Full-Stack development in Java
- Google cloud Computing Foundations, Architecting with Google Compute Engine, Google Cloud Digital Leader Program (https://www.cloudskillsboost.google/public_profiles/73e4e279-f656-42b1-a257-80bc6882f7c5)

SKILLS

Programming in Java, C and Python

Web development using HTML, CSS and JavaScript, ReactJs

RDBMS – MySQL, Oracle and PostgreSQL, **NoSQL** – MongoDB

Spring Framework and Cloud – AWS, GCP

Testing – TestNg Framework and Automation Testing

Tools: Eclipse, Git, Bootstrap, Dbeaver, Postman, Jira, SpringtoolSuite, Visual Studio Code, Streamlit, Figma, Selenium