# Supraja Masanpally

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## OBJECTIVE

I recently graduated and am eager to start my career in a technology-focused corporate environment, aiming to collaborate with professionals and grow through challenging roles and continuous learning.

## EDUCATION

**CMR Technical Campus** — Medchal, India
*Electronics and Communication Engineering, CGPA-7.83/10* — *2019 - 2023*

**Vishwateja Junior College** — Medchal, India
*Maths, Physics and Chemistry, CGPA-9.5/10* — *2017 - 2019*

## SKILLS

**Programming Languages**: C++, Python, JavaScript, SQL, HTML, CSS
**Frameworks**: Frappe, React, Node.js
**Developer Tools**: Git, GitHub, Google Cloud Platform, VS Code, IntelliJ IDEA, Power BI, Google Colab, Streamlit
**Familiar**: Figma, Atlassian, Jira, Confluence
**Libraries**: Pandas, Numpy, Matplotlib, scikit-learn, Seaborn, Chart.js
**Soft Skills**: Problem-Solving Skills, Creative, Analytical Skills, Communication Skills
**Languages Known**: English, Telugu, Hindi

## EXPERIENCE

**Machine Learning Intern** — Apr. 2024 – Jul. 2024
*CodeAlpha - CodeAlpha leads in Ed-Tech, the country's quickest-growing pro training platform.* — *Hyderabad, India*

- Implemented data preprocessing techniques for efficient data handling in a music recommendation system.
- Utilized TF-IDF vectorization and cosine similarity to generate personalized music recommendations.
- Analyzed passenger data to identify key factors affecting survival rates for a Titanic survival prediction model.
- Developed a predictive model to estimate the likelihood of survival based on specific criteria
- Conducted data preprocessing and feature engineering to prepare datasets for a credit scoring model.
- Created a credit scoring model to predict creditworthiness using machine learning algorithms.

**Associate Bard** — Sept. 2023 - Jan. 2024
*Wipro* — *Hyderabad, India*

- Conducted comprehensive reviews and analyses of questions and answers to identify and mitigate potential harmful content, ensuring compliance with company guidelines and industry standards.
- Verified content accuracy by cross-referencing answers with 10+ trusted sources, ensuring 99.9 percent precision and enhancing user trust, resulting in a 20 percent increase in engagement
- I upheld legal and ethical standards rigorously to foster a safe and respectful environment for all stakeholders involved.

**Full Stack Developer-Intern** — May. 2023 – Aug. 2023
*Virtusa - We combine logic, creativity and curiosity to build, solve, and create.* — *Hyderabad, India*

- I developed a comprehensive full-stack application enabling users to manage income, expenses, budgets, savings, goals, and debts effectively.
- I designed a database model and user interface using Figma, implemented REST API endpoints with Spring Boot and MySQL, and enabled data visualization through charts and graphs using Chart.js.
- I integrated JWT token authentication using Spring Security, implemented a robust refresh token strategy, and significantly enhanced API security measures.
- Integrated JWTtoken using SpringSecurity and established are fresh token strategy, Improved API security by 40 percent.
- Implemented Redux and redux-toolkit for efficient global state management in the application.

## PROJECTS

**Temperature and Humidity Sensor**                                             Sept 2022

Tools used - Arduino Uno, DHT11 Temperature and Humidity Sensor, 16*2 LCD, i2c LCD module.

- Creation of a system using an Arduino Uno to measure and display temperature and humidity levels.
- Utilization of the DHT11 sensor for capturing temperature and humidity data.
- Processing of sensor data by the Arduino for accurate readings.
- Displaying of temperature and humidity readings on a 16x2 LCD screen.
- Implementation of an I2C LCD module to ensure efficient data visualization.
- Implemented real-time data logging to record and store temperature and humidity readings efficiently.

**Virtual Human Interaction System using CVLEARN**                       Nov 2022

Language and Domain - Python and Artificial Intelligence

- Developed a virtual human interaction system using the CVLEARN framework in November 2022.
- Applied Python and Artificial Intelligence for language and domain expertise.
- Utilized computer vision to interpret hand movements, thereby replacing traditional mouse inputs with gestures.
- Integrated advanced algorithms and real-time processing techniques to enhance interaction capabilities
- Facilitated immersive and dynamic interactions within virtual environments, enhancing user engagement and experience.

## CERTIFICATIONS AND ACHIEVEMENTS

**Get Data in Power BI from Microsoft**
*Issued Jun 2024*
**Oracle Certified Associate, Java SE 8 Programmer**
*Issued Mar 2023*
**Embedded System Design from NPTEL by IIT Kharagpur**
*Issued Feb 2022*
**Software Engineering Virtual Experience from JPMorgan Chase**
*Issued Jul 2022*
**Software Engineering Virtual Experience from Goldman Sachs**
*Issued Jul 2022*
**The Technical Quiz by CMR Technical Campus**
*Issued Aug 2021*