

PROFILE SUMMARY

A Flexible, focused, and an eager guy to learn new things. I enjoy combining different areas of knowledge. Seeking an engaging role in a company that is always progressing where I can use my creativity to generate ideas. A skilled Full stack Developer in Java capable of maintaining a three-tier Architecture involving React JS, Spring Boot Framework with RESTful APIs combined with Database tools like MySQL. Exposed myself in AI/ML internship project as an AWS Engineer working with Fast APIs, Docker, Python and LLM technologies.

WORK EXPERIENCE

Parabola9

Dec 2024 - Present

AI/ML Developer - Intern

I'm part of a microservices team that focuses on AI/ML, working on backend tasks such as model training, deployment, and real-time inference, along with cloud-related activities.

Project: AI-Powered Video Surveillance and Real-Time Alerting System

- **Description:** It is an AI tool that analyzes CCTV footage to detect incidents like theft, accidents, and crime. This project gave me hands-on experience with cloud and AI technologies.
- **Features:**
 - Developed FastAPI services for video processing and AI-based transcription using LLMs.
 - Automated video ingestion using AWS Lambda, S3, and Kinesis Video Streams.
 - Managed cloud deployment and scaling using AWS EC2, with future plans for EKS integration.

Project: AI-Based Facial Recognition and Tracking System

- **Description:** Developed an AI-powered facial recognition system capable of detecting, tracking, and identifying individuals in real-time video streams. The solution integrates object detection, multi-object tracking, and face recognition models to achieve high accuracy in dynamic environments.
- **Features:**
 - Implemented YOLO-based person detection for high-speed, real-time inference.
 - Integrated BoT-SORT tracker to maintain consistent IDs across frames.
 - Used Buffalo face recognition model for generating and matching embeddings.

PROJECTS

Project: Chatbot (ParaBot)

- **Description:** In this project, I developed a chatbot called ParaBot. I used React JS for the front end and Python for the back end. The chatbot is powered by the Gemini FlashAPI 1.5 model, and the front end and back end communicate through Python FastAPI.
- **Features:**
 - Answers general questions.
 - Generates descriptions for images.
 - Extracts text from images.
 - Summarizes documents.
 - Provides answers based on the context.
- **Link:** [Github](#)

Project: OTT - Screenpoint

- **Description:** Developed a personalized OTT platform using React JS and Bootstrap, and integrated it with a MySQL database for data management.
- **Features:**
 - Displaying trending and suggested movies prominently at the top.
 - Categorizing content into separate sections for movies, web series, and cartoons.
 - Displaying Add to Watch Later and Watch Now options
 - Allowing users to submit feedback through a contact form, with submissions stored in a MySQL database for review.
- **Link:** [Github](#)

Project: ScreenSaga(OTT)

- **Description:** I developed a dynamic OTT platform using HTML, CSS, Bootstrap, ReactJs API integration with JSON, MySQL for database management, and Spring REST controllers.
- **Features:**
 - Users can sign up using a valid email and receive a confirmation email.
 - Password reset requests can be made using any email, but changes are only allowed for existing emails.
 - Users have the option to delete their account and log out from the profile section.
 - Different sections offer new trailers, popular shows, and the latest movies/web series.
 - No need to head to YouTube for trailers; they're available on the website.
 - Users can check if a particular movie is available.
 - Favorites can be added to the watchlist and managed in the profile section..
 - Movies can be watched by clicking 'watch now' (currently unavailable), and web series by selecting the season and episode number.
 - After clicking 'watch now', users can explore the 'continue watching' section.
 - Feedback, queries, or issues can be submitted via the contact form.
- **Link:** [Github](#)

Project: Stress Prediction Based on the Sleeping Patterns

- **Description:** As part of our mini project, we developed a machine learning model named "stress prediction based on sleeping patterns." This model predicts stress levels by analyzing physiological parameters. We used Python to build the model and created a user interface with Streamlit. Users can input their data into the interface to find out their stress levels.
- **Features:**
 - Users can see their stress levels.
 - Health tips are suggested based on the stress levels.
 - Users can monitor their stress based on sleeping patterns.
- **Link:** [Github](#)

CERTIFICATION

- Successful completion certificate on [Java Development](#) Internship.
- Certification on 7-Days Bootcamp on Basic Web-Dev With [Bootstrap](#).
- Certification on completion of [JavaScript and React JS](#) bootcamp.
- Certification on completion on [Resume, Networking and Interview Skills](#).

CO-CURRICULAR

- Achieved NCC '[B](#)' Certificate and '[C](#)' Certificate.
- [Certification on completion on Resume, Networking and Interview Skills](#).
- [Certificate of Merit for All India Essay Writing Event 2018](#).
- [Certificate of Participation and Certificate of Appreciation for National Level Techno Management Fest](#)
- [Certificate of Participation for All India Inter-University Yoga Championship \(2019-2020\)](#).

CONTACT

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- [Portfolio UI](#)

EDUCATION

B.Tech - Computer Science Engineering (CSE)

RGUKT IIIT Nuzvid

2021 - 2025

CGPA: 9.0

Pre- University Course (PUC) - Intermediate

RGUKT IIIT Nuzvid

2019 - 2021

CGPA: 9.62

Secondary School - SSC

Government High School, Srikakulam

2018 - 2019

CGPA: 10

TECH STACK

- Web Technologies and Libraries:** HTML, CSS, Bootstrap, JavaScript, React JS
- Programming:** Java, Python
- Query Languages/Database:** MySQL
- Frameworks:** Collections, Hibernate, Spring , Streamlit (Python)
- Machine Learning & AI:** Machine Learning, Artificial Neural Networks (ANN)
- Models:** YOLO, Buffalo Insightface
- Testing:** Postman
- API:** Fast API, Spring REST API
- Cloud:** AWS
- Data Visualization:** Power BI
- Tools:** Netlify, VS Code, Jupyter Notebook, Eclipse, XAMPP, PowerPoint, Roboflow
- Source Code Management:** GIT

DECLARATION

I, **POTNURU SRAVANKUMAR** hereby declare that the above mentioned information is corrected up to my knowledge and belief; I bear the responsibility for the correctness of the above mentioned particulars.

Place: Nuzvid

Date:

p.sravan kumar