

# SARAVANA P

## Full Stack Developer



### CAREER OBJECTIVE

Aspiring Full Stack and AI Engineer skilled in building scalable web applications and intelligent ML solutions. Seeking to contribute to end-to-end development, model building, and real-time systems at a fast-paced technology-driven company.

### CONTACT

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- [www.linkedin.com/in/saravana-p-kec](https://www.linkedin.com/in/saravana-p-kec)
- [https://leetcode.com/u/saravana\\_p/](https://leetcode.com/u/saravana_p/)

### EDUCATION

#### KONGU ENGINEERING COLLEGE

B.Tech Artificial Intelligence and Machine Learning  
2024 - 2027  
CGPA: 8.35/10

#### SHRI MARUTHI MATRIC SCHOOL

Higher Secondary Education  
2022 - 2023  
PERCENTAGE: 94/100

#### SHRI MARUTHI MATRIC SCHOOL

Secondary School Leaving Certificate  
2020 - 2021

### SKILLS

#### PROGRAMMING LANGUAGES

C Python Java

#### DATABASE

MongoDB MySQL

#### VISUALIZATION TOOLS

Power BI Matplotlib

#### WEB DEVELOPMENT

HTML CSS JavaScript React Node.js

#### SOFT SKILLS

Adaptability Quick Learning Teamwork

### LANGUAGES

- English
- Tamil
- Kannada

### WORK EXPERIENCE

#### GENERATIVE AI INTERNSHIP

GENERATIVE AI CONSORTIUM, CHENNAI (Mar 2025 - Apr 2025)

- Created and optimized Python scripts, enhancing data processing speed by approximately 10% and enabling more efficient cloud deployment on AWS.
- Collaborated on debugging two critical features, minimizing pre-launch errors and ensuring a seamless product release.

#### SOFTWARE DEVELOPMENT INTERNSHIP

CODTECH IT SOLUTIONS, HYDERABAD (Dec 2024 - Jan 2025)

- Assisted in training and evaluating three machine learning models, boosting validation accuracy through iterative parameter tuning.
- Prepared and optimized datasets containing over 10,000 records, accelerating model development and ensuring high-quality, reliable results for the team.

### PROJECTS

SaviAI - AI Interview Assistant

- Built an AI-powered interview assistant using React, Node.js, TensorFlow.js, and MongoDB, enabling real-time facial emotion detection and NLP-based resume-job description match scoring with 92% accuracy.
- Implemented a computer vision pipeline for expression tracking, and designed backend APIs to generate structured, data-driven interview feedback.

Online Auction Platform

- Engineered a real-time auction platform using React, Node.js, MongoDB, and WebSockets, supporting over 150 concurrent bidders with instant bid updates.
- Built secure authentication flows and integrated a payment gateway to ensure smooth, low-latency transactions across all active auctions.

Deception Detection System

- Designed a CNN-powered deception detection system using Python, TensorFlow, and OpenCV, achieving 87% accuracy through micro-expression analysis.
- Implemented real-time video preprocessing, facial landmark tracking, and frame extraction for precise detection using advanced computer vision techniques.

### ACHIEVEMENTS

- Won 1st Prize in 24-hours Inter-Departmental Hackathon HACKVOTRIX'25 organized by department of AI in collaboration with department of EEE, for developing an AI-based system to detect Illegal Sand Mining & Land Encroachment.
- Won 1st Prize in P'Austins Paper Presentation Event in Newell's 2024 intra-department symposium organized by the AI Association, Department of AI.

### CERTIFICATIONS

MONGODB ASSOCIATE DEVELOPER

- MongoDB inc., (2025)

ORACLE APEX CLOUD DEVELOPER

- Oracle University (2025)