

# JagadeeshReddy Kotha

## Software Engineer |AI & Machine Learning

Passionate and detail-oriented Software Engineer with expertise in Artificial Intelligence and Machine Learning. Strong foundation in data structures, algorithms, and software development. Experienced in developing AI-driven applications, implementing deep learning models, and optimizing machine learning algorithms. Adept at problem-solving, working in collaborative environments, and continuously learning new technologies to improve performance and scalability.

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<https://github.com/KothaJagadeeshreddy/jagadeeshreddy.git>

## EDUCATION

### Bachelor of Technology (B.Tech)

Annamacharya institute of technology and sciences ,  
Hyderabad

(08/2019 - 08/2023)

#### Courses

- computer science and engineering

### Intermediate (Higher Secondary Certificate)

Narayana Jr. College - Hyderabad,  
Telangana

(06/2017 - 05/2019)

#### Courses

- Mathematics, Physics, Chemistry

## PROJECTS

### ABNORMAL DRIVING ASSESSMENT:

(09/2022- 01/2023)

- Abnormal Driving Assessment project is to identify patterns in driving behavior that could be considered high-risk. This information can be valuable for developing driver training programs, improving road safety measures, or even designing safer vehicles.
- Technologies Used:** Machine Learning (Supervised and Unsupervised Learning), Deep Learning (Neural Networks, Recurrent Neural Networks), Data Analytics, Predictive Modeling
- Models Implemented:** AWGRD (Adaptive Weighted Gradient Regression Algorithm), WGD (Weighted Gradient Descent), WGRD (Weighted Gradient Regression Descent)

### PERSONAL VOICE ASSISTANT:

(01/2023 - 06/2023)

- Personal Voice Assistant Understands and converts spoken language into text. Interprets the meaning and intent behind a user's query. Learns from user interactions and data to improve its responses and personalize the user experience. Performs actions based on user commands, such as playing music, setting alarms, or controlling smart home devices. Provides access to information through web searches or personal data.
- Technologies used:** Python for backend development, Natural Language Processing , Voice Recognition Technology ,Collaboration Tools, Troubleshooting and Debugging Tools, Continuous-Integration/Continuous-Deployment (CI/CD) ,Version Control.

## SKILLS

- Programming Languages:** Python, Java, C++, JavaScript, SQL
- AI/ML Technologies:** Machine Learning, Deep Learning, Natural Language Processing (NLP)
- Frameworks & Libraries:** Spring, Scikit-learn, Matplotlib
- Web Development:** React, Node.js, HTML, CSS  
Databases: SQL
- Tools & Platforms:** GitHub, CI/CD, Cloud Computing (AWS, GCP)
- Other:** System Design, Data Structures & Algorithms, Version Control, API Development

## WORK EXPERIENCE

### Software Engineer | Lyros Technologies Private Limited

FEB 2025 – Present

- Participating in a structured training program focused on Artificial Intelligence and Machine Learning (AI/ML).
- Developing expertise in key AI/ML skills and technologies, including Python, scikit-learn, deep learning.
- Engaging in hands-on projects to apply theoretical AI/ML knowledge in real-world scenarios, such as Student Grading System project.
- Collaborating with industry professionals and mentors to enhance technical and professional competencies in the field of AI/ML.

## CERTIFICATES

- Machine Learning A-Z : AI, Python & R +  
ChatGPT Prize[2024]
- Full Stack Web Development

## LANGUAGES

- English  
*Full Professional Proficiency*
- Telugu  
*Native or Bilingual Proficiency*
- Hindi  
*Full Professional Proficiency*

## INTERESTS

Data Science & Analytics

Web and App Development

Artificial Intelligence & Machine Learning