

# KOTHURU GURUNADH

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## PROFILE

As an aspiring AI Engineer, I possess a genuine passion for exploring and mastering new concepts. My focus lies in AI, Data Engineering, and ML, and I am enthusiastic about gaining valuable experience across diverse computer domains. I am known for my quick learning abilities and effectiveness as a team player. I am eagerly seeking enriching career prospects to contribute my skills and make a meaningful impact in the field.

## EDUCATION

<b>Amrita School of Engineering</b> <a href="#">↗</a> <i>Bachelor of Technology (Artificial Intelligence Engineering)   GPA: 7.95/10.00</i>	Sep 2020 - July 2024 <i>Bangalore, India</i>
<b>Narayana Junior College</b> <a href="#">↗</a> <i>Intermediate (MPC)   GPA: 8.98/10.00</i>	April 2018 - April 2020 <i>Vijayawada, India</i>
<b>Dr. KKR's Gowtham</b> <a href="#">↗</a> <i>High School Education   GPA: 9.8/10.00</i>	Mar 2017 - Mar 2018 <i>Vijayawada, India</i>

## ACADEMIC RESEARCH AND PROJECTS

<b>Image To Audio For Visually Impaired</b> <a href="#">↗</a> <ul style="list-style-type: none"><li>Developed a system to convert images into audio captions for visually impaired individuals.</li><li>Utilized deep learning techniques to generate descriptive audio from image inputs.</li></ul>	Python, Deep Learning, NLP
<b>Crowd Monitoring Using Deep Learning</b> <a href="#">↗</a> <ul style="list-style-type: none"><li>Developed a fight detection system for crowd monitoring using computer vision techniques.</li><li>Utilized deep learning models to identify and monitor crowd behavior.</li></ul>	Python, Deep Learning, Computer Vision
<b>eKart: E-commerce Platform for Shopping deployed on AWS</b> <ul style="list-style-type: none"><li>Developed an online platform for shopping with recommendation system.</li><li>Utilized Amazon Web Services for hosting.</li></ul>	AWS, HTML, CSS
<b>Heart Disease Prediction Using Machine Learning</b> <a href="#">↗</a> <ul style="list-style-type: none"><li>Predicted heart disease risk using machine learning algorithms.</li><li>Analyzed features such as age, blood pressure, and cholesterol levels to assess risk.</li></ul>	Python, Machine Learning
<b>Maze Solving Using Morphological Operations</b> <a href="#">↗</a> <ul style="list-style-type: none"><li>Solved mazes using image processing techniques like erosion and dilation.</li><li>Applied morphological operations to identify the correct path through a maze.</li></ul>	Matlab, Image Processing

## SKILLS

<b>Technical Skills</b>	Data Structures and Algorithms   Object-Oriented Programming   DBMS
<b>Languages</b>	Python   SQL
<b>Frameworks/Libraries</b>	TensorFlow   PyTorch   scikit-learn   NumPy   OpenCV
<b>Tools and Technologies</b>	Git   MATLAB   Big Data Tools   AWS
<b>Interests</b>	Data Science   Data Analytics   Natural Language Processing   LLMs   RAG

## CERTIFICATIONS

- AWS Academy Graduate in September, 2023. [↗](#)
- HTML & CSS By Udemy in January, 2022. [↗](#)
- Reinforcement Learning Onramp by Matlab in May, 2023. [↗](#)

## ACHIEVEMENTS / PUBLICATIONS

- Compiler For Mathematical Operations Using English Like Sentences - CSITSS 2023. [↗](#)
- Visio-Voice: Transforming Images into Sound for the Visually Impaired - ICITEICS 2024. [↗](#)
- eKart: A Cloud-Based E-commerce Platform for Shopping deployed on AWS - ICCICA 2024. [↗](#)
- Energy Management System Deep Q-Networks - APCIT 2024. [↗](#)