RAJESH DUDEKULA

AI Engineer

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EDUCATION

Bachelor of Technology, Artificial Intelligence
Percentage: 72
SVR College of Engineering
Nandyal,
Dec 2021 - May 2025

12th Intermediate
Percentage: 80.3
Board of Intermediate Education,
Andhra Pradesh
Owk, Andhra Pradesh
Jun 2019 - Apr 2021

10th School
CGPA: 9
AP Model School Owk,
Andhra Pradesh
Jun 2018-Mar 2019

SKILLS

Python C++
JavaScript
Java
HTML
CSS
MATLAB
Git
Github
TensorFlow
PyTorch
Scikit-learn
OpenCV
React
Django
MySQL
MongoDB
Jupyter
Notebook
Visual Studio Code
Communication

LANGUAGES

Telugu
English

PROFESSIONAL SUMMARY

Highly motivated B-Tech graduate in Artificial Intelligence with a strong passion for solving complex problems through innovative technology. Seeking a software development or AI-focused role to apply my skills, contribute to impactful projects, and continue learning and growing.

WORK EXPERIENCE

Java Full Stack Development Intern Jan 2025 - Apr 2025
Blackbuck Engineers & APSCHE

- Completed 240 hours of full-stack project work.
- Worked on a Java-based backend and integrated it with the frontend using React.

AI-ML Virtual Intern Oct 2024 - Dec 2024
AICTE - EDU Skills

- Developed AI/ML models as part of virtual projects.
- Gained practical exposure to supervised and unsupervised learning techniques.

Cloud Virtual Intern Apr 2024 - Jun 2024
National Educational Alliance for Technology (NEAT) via AWS Academy

- Explored AWS core services, like EC2, S3, and Lambda.
- Built a sample cloud-based application using AWS tools.

PROJECTS

Autonomous Vehicle navigation system May 2025 - Jul 2025
https://github.com/Dudekularajesh/Autonomous-Vehicle-navigation-system-using deep-learning-and-computer-vision-

Description

- Designed and implemented a real-time vehicle detection and speed tracking system leveraging advanced deep learning and computer vision techniques.
- Utilized YOLOv8 object detection framework for accurate identification and localization of vehicles in dynamic environments.
- Employed OpenCV for image processing and real-time video feed analysis, ensuring high performance and low latency.
- Achieving a detection accuracy rate of 95% across varying environmental conditions.
- Documented the system architecture and workflows on GitHub for transparency and collaborative purposes.

Expense Tracker Web Application May 2025 - Jul 2025
https://github.com/Dudekularajesh/Expense_Tracker_Web_Application

Description

- Designed and developed a responsive web app for tracking income and expenses using HTML, CSS, JavaScript, and Bootstrap
- Implemented user registration and login forms with input validation Built dynamic dashboards to display total income, expenses, and current balance in real-time
- Enabled transaction management (add/delete) with a clear UI and transaction history table
- Applied responsive design techniques for mobile and desktop compatibility

CERTIFICATIONS

- Data Analysis and Decision Making, NPTEL, 07/01/23
- Internet of Things (IoT), NPTEL, 01/01/2024
- Java Full Stack Development Internship – Blackbuck Engineers and APSCHE (240 hours, 2025)