

# Neela Yaswanth

Talupula, Ananthapur, Andhra Pradesh - 515581

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GitHub:<https://github.com/Neelayaswanth>

## Objective

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Aspiring Data Science and Machine Learning Engineer with strong foundations in Python, data analysis, and machine learning. Experienced in using NumPy, Pandas, Matplotlib, Seaborn, and Scikit-learn for data preprocessing, visualization, and model building. Seeking an entry-level role to apply analytical and problem-solving skills to real-world datasets and intelligent systems.

## Education

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- Akshaya College of Engineering and Technology** Expected Graduation: May 2026  
B.Tech Artificial Intelligence and Data Science  
7.33
- Narayana Junior College** 2020-2022  
Higher Secondary Certificate (HSC)  
8.03
- Sree Vani Vidhya Niketan High School** 2019-2020  
Secondary School Certificate (SSC)  
9.23

## Skills

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- Languages: Java, Python, C++
- Data Science & ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
- CS Fundamentals: Data Structures, Algorithms, OOP, DBMS, Problem Solving
- Web Technologies: HTML, CSS, React, Node.js
- Databases: MySQL
- Tools & Platforms: Git, GitHub, VS Code, Eclipse

## Projects

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- Online Voting System**  
Tech Stack: React, TypeScript, Tailwind CSS, Node.js  
Designed and implemented a secure, scalable online voting platform supporting multiple user roles (admin, voter).  
Implemented real-time vote tracking and role-based access control (RBAC) ensuring data integrity.  
Deployed a modular front-end using React + Vite for optimized performance.
- Dry Eye Disease Prediction**  
Tech Stack: Python, OpenCV, TensorFlow/Keras, Flask  
Collected and preprocessed eye image datasets for training and testing.  
Built a CNN model using TensorFlow/Keras to detect Dry Eye Disease.  
Applied image processing techniques with OpenCV for noise reduction and normalization.  
Integrated the trained model into a Flask web app for real-time predictions.  
Achieved ~90% accuracy and enabled fast screening for early diagnosis.  
Designed a simple UI for doctors/patients to upload eye images and view diagnostic results.

## Languages

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- English – Intermediate (Read, Write, Speak)
- Telugu – Fluent (Read, Write, Speak)
- Tamil – Conversational (Speak)

## Technical Strengths

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- Problem Solving using Data Structures & Algorithms  
Object-Oriented Design and Programming

Database Design & Optimization  
Distributed Systems and Cloud Concepts (AWS, Microservices)

## **Achievements**

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- Participated in Hackathon at Akshaya College of Engineering and Technology, demonstrating strong problem-solving and teamwork skills.
- Presented "Services Finder" app during Tech Day event , Akshaya College of Engineering and Technology (3rd Year).

## **Internship Experience**

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- **Web Development Intern – Remote**  
Contributed to website and application development using HTML, CSS, JavaScript, and React.  
Collaborated with the development team for bug fixing and performance improvement.  
Practiced Git-based version control and responsive web design techniques.