

# NACHUKUPPAM LOKESH

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## PROFESSIONAL SUMMARY

Aspiring Software Engineer with hands-on experience in Data Analytics, Machine Learning, and Full-Stack Development. Skilled in Python, SQL, data preprocessing, and model evaluation, with proven ability to derive insights from real-world datasets. Experienced in building data-driven solutions and eager to contribute to Analytics, consulting, and technology-driven initiatives.

## EXPERIENCE

VCodez June 2025 – Sep 2025  
Data Science Intern Chennai, India

- Applied core **Data Science** techniques, including **data preprocessing**, **data visualization**, and **exploratory data analysis (EDA)**, to derive insights and support data-driven decision-making.
- Gained hands-on experience with **Python**, **SQL**, **Pandas**, **NumPy**, **scikit-learn**, and **visual data analysis** tools by cleaning, transforming, and analyzing real-world datasets for end-to-end **Machine Learning** workflows.
- Collaborated with **team members** to analyze **datasets** and present **insights** for **data-driven decision-making**.

## PROJECTS

Crop Yield Forecasting Using Environmental and Soil Data Sep 2025  
Tech Stack: Python, Flask, Pandas, NumPy, scikit-learn, MinMaxScaler, Matplotlib

- Developed a **Random Forest-based crop yield prediction model** using environmental and soil datasets.
- Applied **data preprocessing** and **feature scaling (MinMaxScaler)** to enhance model performance.
- Achieved a **15% accuracy improvement** by optimizing features and validating results with **scikit-learn metrics**.

Face Emotion Recognition Using ML June 2025  
Tech Stack: Python, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib

- Built a real-time **CNN-based emotion recognition system** using **OpenCV** with streamlined preprocessing.
- Achieved **92% accuracy** through effective **data cleaning**, **feature extraction**, and model training.
- Improved inference speed by **18%** using targeted **data augmentation** and **hyperparameter tuning**.

## TECHNICAL SKILLS

**Programming Languages:** C, Python, HTML, CSS, JavaScript  
**Frameworks / Libraries:** TensorFlow, NumPy, Pandas, OpenCV, Matplotlib, Scikit-learn  
**Databases / Tools:** MySQL, SQLite, Git, GitHub, VS Code, Google Colab, MS Excel  
**Core Concepts:** Database Management System, Object-Oriented Programming (OOP), Machine Learning, Data Visualization, Data Cleaning

## EDUCATION

Agni College of Technology Expected 2026  
B.E – Electronics & Communication Engineering | CGPA: 8.0/10 Chennai, TN, India  
Government Polytechnic College 2020 – 2023  
Diploma in Electrical & Electronics Engineering | Percentage: 70% Nellore, AP, India

## ACHIEVEMENTS & CERTIFICATIONS

- Submitted prototype “**AI-Driven Autonomous Robot for MSME Warehouse**” to **MSME Idea Hackathon 5.0**, demonstrating strong skills in **embedded systems** and **automation**.
- Designed a **custom PCB with an STM32 microcontroller**, focusing on **power management** and **sensor integration** for real-time embedded applications.
- SkillRack – **Python Programming Course (Programming Logic, Data Structures)**
- IBM – **Python for Data Science (Python, Pandas, NumPy, Data Visualization)**
- Accenture – **Data Analytics Job Simulation (SQL, Excel, Business Insights)**
- Oracle – **Cloud Infrastructure 2025 Certified Networking Professional**