NACHUKUPPAM LOKESH

📞 +91 6281008697   ✉ lokesh.nachukuppam@gmail.com

in LinkedIn   ⚙ GitHub   </> LeetCode

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, Random Forest, 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, CNN, OpenCV, NumPy, Pandas, Matplotlib, scikit-learn   [⚙]

- 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, React.js
Frameworks / Libraries: TensorFlow, NumPy, Pandas, OpenCV, Matplotlib, Scikit-learn
Databases / Tools: MySQL, SQLite, Git, GitHub, VS Code, Google Colab, MS Excel
Core Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms, Machine Learning, Data Visualization, Data Cleaning, SDLC

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**   🔗