DUDEKULA NAGALAKSHMI

Bangalore - 560076

nagalakshmidudekula5@gmail.com | +91 8639274443 |
linkedin.com/in/dudekula-naga-lakshmi-385061297

PROFILE SUMMARY

Highly motivated, ambitious, and organized individual seeking an entry-level position in the software industry. Proficient in C, Python, and SQL. Possess excellent teamwork, problem-solving, and communication skills. Eager to learn and adapt to challenging technical tasks.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering 2021 – 2025
KSRM Engineering College, Kadapa
CGPA: 7.86 / 10

Intermediate (MPC) – Pragna Junior College, Allagadda 2019 – 2021
Percentage: 95%

SSC – Viswashanthi High School, Allagadda 2018 – 2019
CGPA: 10 / 10

TECHNICAL SKILLS

- **Languages:** C, Python, SQL
- **Operating Systems:** Linux (Basics)

PROJECTS

Architecture for the Sum of Absolute Differences Design and Implementation (FPGA) 2025

- Developed a real-time motion estimation algorithm using SAD on FPGA with VHDL/Verilog.
- Parallelized SAD calculations using CUDA, reducing computation time by 60%.

Capturing and Sending Images to Google Drive using ESP32-CAM 2023

- Built ESP32-CAM firmware and integrated with Google Drive API using Python.
- Implemented Google Apps Script Webhook to automate cloud storage of captured images.

INTERNSHIP

Cloud Intern – ExcelR (AWS & Azure) 2024

- Designed and deployed cloud solutions using AWS CloudFormation and Azure services.
- Automated resource provisioning, improving deployment speed by 50%.

COURSES & CERTIFICATIONS

- CISCO Certification in Python and Cybersecurity (04/2024)
- AWS & Azure Internship Certificate – ExcelR (08/2024)
- Data Science Certification – NASSCOM
- Cybersecurity Certificate – Future Skills Prime

ACHIEVEMENTS

- Winner – Paper Presentation on "Nano Electronics Materials" at AITS, Kadapa (2024)
- Finalist – Debate and Quiz Competitions at KSRM National Technical Festival