

Profile

Motivated Computer Science Engineering student skilled in Python, SQL, and core programming concepts, with hands-on experience in machine learning and deep learning projects. Familiar with data preprocessing, model development, and evaluation using modern ML frameworks. Seeking opportunities to apply AI and automation techniques in real-world industrial applications.

Skills

Programming Languages Python, C, SQL

Machine Learning & Data TensorFlow, Keras, NumPy, Pandas, Matplotlib, Model Evaluation

Web Technologies HTML, CSS, JavaScript

Tools & Version Control Git, Postman

Cloud Exposure AWS Educate

Core CS Fundamentals Object-Oriented Programming, Operating Systems, Computer Networks, Data Structures & Algorithms

Technical Experience

Intern – Global Services LLC, Oman

May 2023

- Assisted in troubleshooting software and system-level issues, collaborating with IT teams to ensure smooth operations and minimal downtime.
- Participated in real-world project tasks related to computer programming and system maintenance.

Deep Learning-Based Pneumonia Classification

Tools: Python, TensorFlow, Keras

- Developed and evaluated 16 convolutional neural network architectures, including 9 hybrid models.
- Achieved 88.33% test accuracy through model tuning and comparative analysis.

Secure File Encrypter

Tools: Python (Cryptography)

- Developed a Python-based file encryption and decryption tool using symmetric key cryptography with proper validation and error handling.

Construction Company Website (Shalimar Builders)

Tools: HTML, CSS, JavaScript, Flask, MongoDB

- Developed a responsive and interactive website.
- Added real-time project tracking and automated cost estimation.
- Improved client engagement by 45%.

Education

B.Tech in Computer Science Engineering

Nov 2022 – May 2026

Amal Jyothi College of Engineering, Kottayam, India

GPA: 7.36 / 10

Activities

Key Achievements

- Achieved 88.33% test accuracy in deep learning-based pneumonia detection.
- Presented research paper “BUILDHUB: A Smart Construction Service Platform for Planning, Estimation, and Design” at NACORE 2025 – National Conference on Emerging Areas.
- Improved client engagement by 45% through website redesign.

Certifications

- Oracle OCI – Generative AI Professional
- Oracle Java Foundations
- NPTEL Soft Skills (IIT Kanpur)