

Dilshad Mohammed

dilshadmohammed13@gmail.com | [+91 8714381226](tel:+918714381226) | www.dilshadmohammed.me

linkedin.com/in/dilshad-mohammed | github.com/dilshadmohammed

Profile

Final-year Computer Science and Engineering student with strong backend development skills and hands-on experience in full-stack projects. Passionate about open-source technologies, building impactful real-world solutions in collaborative environments, and always eager to learn new things.

Education

NSS College of Engineering, Palakkad, B.Tech in Computer Science & Engineering Oct 2022 – May 2026

- CGPA: 9.11/10
- Pursuing Honours in Cybersecurity

PMSAMAHSS, Chemmankadavu, Kerala Board of Higher Secondary Education 2018 – 2020

- Percentage: 89%

Experience

Backend Developer Intern, Mulearn – Trivandrum May 2024 – Aug 2024

- Built Django-based applications for MuLearn's peer-driven gamified learning platform.

Skills

Languages: Python, C, C++, Java, JavaScript

Technologies: Django, FastAPI, React.js, Express.js, MongoDB, SQL, Docker, Linux, Git, GitHub

Projects

AI Quiz App

- Built a multiplayer AI-powered quiz app that dynamically generates questions based on user-provided topics.
- Tools Used: Express.js, Socket.io, React, Gemini

Mental Health Chatbot

- Developed an AI mental health chatbot using models from Ollama with RAG for context-aware responses.
- Tools Used: FastAPI, React, Ollama, LangChain, ChromaDB

Anime Style Transfer Web App

- Implemented AnimeGANv3 to generate anime-style images from real images and integrated DigitalOcean S3 for user gallery storage.
- Tools Used: React, Django, FastAPI, Tensorflow

Autoencoder-based Anomaly Detection in Network-on-Chip (Ongoing)

- Modeling BHR Trojan attacks in NoC via Gem5 to evaluate performance and reliability impact.
- Building an autoencoder model for anomaly detection.
- Tools Used: Gem5, C++, Matplotlib

Leadership & Responsibilities

Chief FOSS Ambassador - Free and Open Source Software Cell, NSSCE May 2025 – Present

Tech Lead - Students' Association of Computer Science (STACS), NSSCE July 2024 – July 2025

Design Lead - Free and Open Source Software Cell, NSSCE June 2024 – April 2025

Mentor - Tink-Her-Hack Hackathon 3 January 2025

Workshops & Certifications

- Ethical Hacking – NPTEL, October 2024
- Problem Solving Through Programming in C – NPTEL, October 2023
- Exploring Docker and Podman - FOSSNSS, April 2024

Achievements

- Qualified GATE