

Greeshma D H

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EDUCATION

B.TECH IN COMPUTER SCIENCE

PES UNIVERSITY, RR CAMPUS

CGPA: 8.5

LINKS

[linkedin.com/in/greeshma](https://www.linkedin.com/in/greeshma)
github.com/greeshma
leetcode.com/greeshma

COURSE WORK

UNDERGRADUATE

- Big Data
- Data Analytics
- Database Technologies
- Cloud Computing
- Image Processing
- Database Management Systems
- Object Oriented Programming

SKILLS

TECHNICAL

- Python
- Java
- Docker
- Apache Kafka
- Apache Spark
- Git/Github
- MySQL
- Flask
- MATLAB

CO-CURRICULUM

- OS Teaching Assistant 24-25
- DBMS Teaching Assistant 25-26
- Club Head ACM-W 24-25
- Operations Head ACM-W 23-24
- CIE L1 course on innovation and entrepreneurship
- Top 35 in Genesys Hackathon PESU

RECOGNITION

- Distinction Scholarship Year '23,'24,'25

PROJECTS

APPLICATION MONITORING | PYTHON | DOCKER | KAFKA

[Github Link](#)

The Log Analytics Platform is designed to collect, process, and visualize log data in real-time. It leverages Grafana for visualization, Kafka for real-time log ingestion, and MySQL for storage. It provides analysis on count-per-endpoint, error-logs and average time between logs.

PHARMACY MANAGEMENT SYSTEM | PYTHON | SQL | FLASK

[Github Link](#)

Developed and implemented a Flask-based pharmacy management system with user authentication, cart management, and billing functionalities. Designed and integrated robust session management for seamless user and admin operations.

BRAIN MODELING IN EPILEPTIC PATIENTS USING EEG DATA |

[PYTHON | MATLAB](#)

[Github Link](#)

Developed an EEG-based pipeline for epilepsy research, including preprocessing, frequency band and feature extraction, and topographic brain mapping. Currently extending the work by training machine learning model to localize epileptic zones, supporting improved diagnosis and treatment of focal seizures.

EXPERIENCE

SUMMER INTERN | UST | JUN-JUL '25

[Github Link](#) | [Cert Link](#)

A modular ELT system built using Python, Flask, PostgreSQL, and Angular, enabling YAML-based dynamic data extraction, loading, and visualization. It supports JWT-secured config uploads, scheduled/manual job execution, real-time log viewing, test coverage reporting.

RESEARCH INTERN | CDSAML PESU | JUN-JUL '24

[Publication Link](#) | [Github Link](#)

Text-Guided Video Inpainting:- Implemented video inpainting for moving object removal and stationary background reconstruction using OpenCV and TensorFlow. Utilized Detectron2 for object detection and segmentation, applied object masking techniques, and performed background reconstruction through initial frame reconstruction and graph-based inpainting.

CERTIFICATIONS

- PwC Acceleration Programme [Cert Link](#)
- Hackerrank Problem Solving Basic and Intermediate [Link](#)
- Google Cloud Skills Study JAM [Link Badges](#)
- PESU I/O - Machine Learning and Data Science