Thushar Guptha G P

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github.com/Thusharguptha

Profile Summary

Passionate and self-driven MCA student with hands-on experience in developing web-based platforms and solving real-world problems using technology. Skilled in Python, PHP, and MySQL. Consistently aiming to improve coding standards, UI/UX design, and algorithmic thinking through academic projects and personal initiatives.

Education

PES University, MCA   Nov 2024 – Present
- CGPA: 8.27
- **Relevant Coursework:** Data Structures, Web Development, DBMS,
  Machine Learning, Operating Systems

Davangere University, BCA in BSCFGC   Sep 2021 – Nov 2024
- CGPA: 8.80
- **Relevant Coursework:** HTML, CSS, Javascript

Siddaganga PU Science College, PCMB   May 2019 – Jul 2021
- Percentage: 97.17

Projects

Soil Fertility Prediction (AI/ML)
- Built a machine learning model to classify soil fertility based on key soil parameters such as pH, nitrogen, phosphorus, and potassium levels.
- Achieved high prediction accuracy using classification algorithms like Decision Tree and Random Forest.
- Tools used: Python, scikit-learn, Pandas, Matplotlib

Automated Timetable Generator
- PHP-based admin dashboard to assign teachers, subjects, and generate non-overlapping timetables.
- Ensures that no teacher overlaps and proper slot assignment across courses.
- Tools used: PHP, MySQL, HTML/CSS, Bootstrap

Blood Management System
- Built a Flask + MySQL-based platform to manage blood donors and requests.
- Features include donor registration, request matching, admin control panel, and search/filter support.
- Tools Used: Python, Flask, MySQL, HTML/CSS

Technologies

Languages: Python, SQL, JavaScript, PHP

Frameworks / Tools: Flask, ReactJS, MySQL, Bootstrap, Git, scikit-learn, numpy, pandas

Hobbies

- Active member of *Manaswaroopa*, a social service team. Contributed to multiple community service initiatives.
- NSS Volunteer, Actively participated in many NSS awareness programs.
- Passionate about sports: cricket, badminton, and a district-level chess player.
- Always eager to learn new things.