Lakshmi Abhigna Mattay

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SUMMARY

Dedicated and passionate coder with a strong foundation in engineering principles and a passion for practical application. Driven by curiosity to explore new technologies. Proficient in technical skills and eager to contribute to real-world projects. Seeking internship or job opportunities to gain hands-on experience and further develop expertise. Committed to continuous learning and making meaningful contributions to the industry.

WORK EXPERIENCE

Web Development Intern   Jun 2023 - Aug 2023

Completed an internship at APSSDC focused on web development using the Django framework, where I served as the team lead. Gained hands-on experience in project implementation and honed skills in both front-end and back-end development by utilizing HTML, CSS, Bootstrap and Javascript.

Data Science Intern   Jun 2023 - Jul 2023

Completed a virtual data science internship through Mentored Minds, mastering the use of Google Sheets and Google Forms for data collection and manipulation. Utilized these tools effectively to fulfill assigned tasks and gain practical experience in data analysis and management.

PROJECTS

EmoDetect : Real-time ONNX-Powered Emotion Recognition with Django Integration

Developed EmoDetect, a cutting-edge project merging deep learning and web development, to recognize seven emotions from user-uploaded images in real-time. Utilized Python libraries including ONNX Runtime and OpenCV (cv2), alongside Django, HTML, CSS, and Bootstrap, to create a seamless integration. Integrated ResNet-50, GoogLeNet, and DarkNet models trained with a dataset of 981 images using MATLAB into the Django app using the ONNX Runtime module. Leveraged OpenCV (cv2) to detect human faces, ensuring accurate emotion recognition.

Student Portal Application

Developed a comprehensive Student Portal Application using Django framework, Python, JavaScript, and SQLite. Seamlessly simulated student, faculty, and admin roles to replicate real-world university functionalities. Designed to enhance user experience and streamline administrative processes within an educational setting.

Bank Management System

Simulation of a Bank Management System using the Python-MySQL connector

Gym Management System

Developed a Gym Management System in C++ with a focus on object-oriented programming and STL concepts. Implemented user, trainer, and admin roles, enabling functionalities such as login, registration, membership details, and preferred time slots selection for users. Additionally, provided features for trainers to view their schedules and login, and for admins to manage users and trainers efficiently.

Password Generator GUI Application

GUI Application in Java language used for generating random passwords and can also be utilized for generating passwords based on user-given hints

GUI Converter Application

GUI Application in Python that helps the user to perform weight, temperature, and currency conversion operations

Online Food Ordering System

Basic-level food ordering system using C language with the key concept as file handling

EDUCATION

2021 - present	B.Tech CSE at **SRM University,AP**	(GPA: 9.03)
2021	Class 12th CBSE	(93.6 percent)
2019	Class 10th CBSE	(94 percent)

SKILLS

Django   HTML   CSS   Bootstrap   SQL   C   C++   Python   Java

CERTIFICATIONS

Python for Data Visualisation (from LinkedIn learning)

Certificate of Achievement with Special mention - Jugaad Hackathon (organized by Ellenox and Founders of India)