DUVARAKESH S S

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OBJECTIVE

Seeking an SDE internship in Web Development and Algorithms, with a passion for building scalable systems and optimizing performance.

Key Interests: Algorithms, Web Development, Software Engineering, Supervised and Unsupervised Learning

EDUCATION

M.Sc Theoretical Computer Science   2022 - 2027
PSG College of Technology, Coimbatore

SKILLS

Programming Languages	Python, C++, C, SQL, JavaScript
Libraries and Tools	Postman, Swagger, Git, Windows, Linux
Frameworks	React, Express.js, FastAPI
Databases	PostgreSQL, MongoDB, MySQL

EXPERIENCE

Full Stack Developer   May 2024 - June 2024
Praxio   *Coimbatore, Tamil Nadu*

- Worked as a student intern specializing in full-stack development on an e-commerce website, primarily using React and Node.js.
- Contributed to improving user experience and implementing performance optimizations.

PROJECTS

Academia A student-faculty communication web application. Built a full-stack platform using Express.js, React.js, and MongoDB for student-faculty communication. Enabled assignment uploads, resource sharing, and submission tracking, with JWT authentication and role-based access. Designed a scalable and user-friendly system that streamlines academic interactions.

Prioriti A task manager web application. Built a full-stack platform using Express.js, React.js, and MongoDB. Enabled task creation, prioritization, and deadline tracking with JWT authentication. Designed a user-friendly interface to enhance productivity.

VividFusion A deep learning tool that turns grayscale images into color images. Developed an advanced deep learning model to transform grayscale images into vibrant, realistic color visuals with remarkable detail. Utilized a CNN encoder-decoder architecture enhanced by InceptionResNetV2 for high-accuracy colorization. Ideal for digital restoration, media enhancement, and creative applications.

CapitalGuard A finance management and stock analysis platform. Designed to help users make informed financial decisions by analyzing market trends and personal investment goals. Provides real-time stock data, predictive analytics, and tailored recommendations to identify the best stocks to buy.

EXTRA-CURRICULAR ACTIVITIES

- Collaborated with the Rotaract Club at PSG College of Technology, contributing to the event and design teams by organizing and executing impactful events.
- Participated in the Web Development Workshop during the Petrichor event organized by IIT Palakkad.