DUVARAKESH S S

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OBJECTIVE

Dedicated to solving complex problems by building scalable and high-performance systems.

Key Interests: Algorithms, Web Development, Software Development, Machine Learning

EDUCATION

M.Sc Theoretical Computer Science   2022 - 2027
PSG College of Technology, Coimbatore
CGPA 7.37

SKILLS

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

EXPERIENCE

Software Development Intern   May 2025 - Present
DOTWORLD TECHNOLOGIES   *Coimbatore, Tamil Nadu*

- Working as a student intern specializing in software development, building a grader control system using Kotlin in an Android environment. Involved in designing the user interface and integrating machine controls to automate grader operations.

Full Stack Developement Intern   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.

Nimora A comprehensive student portal that offers features such as attendance tracking, exam schedule viewing, CGPA calculation, and more. It includes a responsive user interface that works seamlessly across both desktop and mobile devices.

Seo Blog Generator An AI-powered multi-agent SEO blog generator using LangChain, integrating Mistral-7B, LLaMA-3 (via Groq), and SerpAPI to automate research, outline creation, content generation, SEO optimization, and review.

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.