





DANUSRI E

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Profile

An enthusiastic , proactive, Motivated and adaptable software student, with a continuous learning mindset to stay updated with emerging trends in various fields.

Work Experience

Software Developer Intern	NGP Websmart Pvt.Ltd.,Chennai	<i>July,2024 - Nov,2024</i>
<ul style="list-style-type: none">• Worked on the Postcard Application, a platform for sending marketing emails with dynamic templates.• Developed backend features using AdonisJS and contributed to the creation and updating of modules.• Implemented functionality for creating tags, applying filters, and displaying email statistics.• Utilized PostgreSQL for database management and integration with the application.		

Skills

- **Programming Languages** : C | Python | Java | JavaScript | Typescript
- **Web Development** : HTML | CSS
- **Database** : MySQL | PostgreSQL
- **Frameworks** : Angular | Adonis JS | React
- **Soft Skills** : Team Player | Leadership | Adaptability

Education

MSc Software Systems(Integrated) CGPA - 8. 93/ 10	Coimbatore Institute of Technology	<i>Coimbatore</i>
HSC AGGREGATE - 94%	ARC Matric hr Sec School	<i>Coimbatore</i>
SSLC AGGREGATE - 95%	ARC Matric Hr Sec School	<i>Coimbatore</i>

Projects

Secure Cloud Storage Service - HTML, CSS , Python, Flask , MySQL

Developed a secure cloud storage service using Python, Flask, and MySQL. Implemented robust encryption for data security, user authentication for secure logins, and efficient file handling with format validation and size restrictions. Integrated FTP for seamless file transfers, showcasing expertise in Python, Flask, encryption, database management, and file transfer protocols.

File Zipper - Python , Data structures and algorithms.

A file compression technique using Huffman coding in Python to efficiently compress and decompress files while storing and retrieving data.

Shrithy Foods - Angular, HTML, CSS, Bootstrap

Built ShrithyFoods, an Angular-based responsive web app for online food ordering, featuring dynamic menus, user-friendly interfaces, and efficient navigation. Utilized HTML, CSS, Bootstrap, and Angular Router for a seamless user experience.

Research and Publications

Presented a research paper titled “Analysis of Text Compression Algorithms” at the 7th International I-SMAC Conference, hosted by Tribhuvan University, Purwanchal Campus, Nepal. The paper focused on efficient file compression and decompression techniques using diverse algorithmic approaches.

Published a research paper titled “Enhancing Energy Efficiency in Cloud Data Centers” in the *Grenze International Journal of Engineering and Technology*, June 2024 Issue. Contributed as a co-author, exploring the application of Particle Swarm Optimization (PSO) to optimize resource allocation and workload scheduling, significantly reducing energy consumption while maintaining high performance.

Certifications

- NPTEL - Fundamentals of Design and Analysis of Algorithms (70%)
- HackerRank - SQL Golden Badge
- Sololearn - PythonCore

Areas of Interest

- Full stack Development
- Cloud Computing
- Database Management
- DevOps