







DILAKSHAN UTHAYAKUMAR



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-  [See my Portfolio](#)

SKILLS

✓ Programming

Frontend

- HTML ★★★★★
- CSS ★★★★★
- Javascript ★★★★★
- ReactJS ★★★★★
- NextJS ★★★★★
- Java ★★★★★
- Python ★★★★★

Backend

- Net ★★★★★
- Spring boot ★★★★★
- NodeJS ★★★★★

About Me

I am a Computer Science student at the University of Jaffna, passionate about Web Development, Machine Learning, and Data Science. Skilled in programming, network simulation, frontend & backend frameworks, and databases. Strong in project management and team leadership, with a results-driven approach to software development. Love solving complex problems and eager to apply my skills to real-world challenges while growing in the tech industry.

Education

University Of Jaffna Faculty of Science

2021-Present

Doing BSc hons in Computer Science

Experience

Worked as a Trainee Banking Assistant at DFCC Bank

2020 - 2021

DFCC Bank

Akkaraipattu Branch

Projects

REAL-TIME CHAT APP (MERN, SOCKET.IO)

Built a live chat app with real-time messaging and user authentication.

X.COM (TWITTER) CLONE (NEXT.JS)

Developed a social media clone with posting, liking, and following features.

PIZZA ORDERING WEB APP (REACT.JS, FIREBASE)

Designed an online ordering system with authentication and dynamic cart management.



Certifications

- React Complete Course from Namaste Dev
- Networking Basics from Cisco Networking Academy
- Introduction to Cyber security course from Cisco Networking Academy
- Machine Learning and AI Services in AWS from GUVI Geeks



Participants

Google exploreCSR Summer School on Machine Intelligence – June 2024

- Attended the summer school organized by Google Research, the University of Melbourne, and the University of Jaffna as part of the Google exploreCSR 2023/2024 Grant.

Google exploreCSR Symposium – October 2024

- Engaged in discussions and sessions at the symposium hosted by Google Research, the University of Melbourne, and the University of Jaffna under the Google exploreCSR 2023/2024 Grant, covering key areas like Cyber Security, Network Security, and Blockchain.

Mastering Deep Learning with Hands-On Session – August 2024

- Took part in a practical deep learning workshop conducted by the IEEE Computer Society Student Branch Chapter at the University of Jaffna.



Current Research & Projects

Congestion Control in SDN

Predicting additional buffer space for congestion management using Poisson process and self-similar (fractal) traffic models.

MPI Cluster Development

Setting up a cross-platform (Ubuntu & Windows) MPI cluster using a password-less SSH connection approach for distributed computing.



Cloud



- Firebase

★★★★★



Version Control



- Git (Github)

★★★★★



Database



- MySQL

★★★★★

- MongoDB

★★★★★

- Firestore

★★★★★



Networking Tools



- Mininet

★★★★★

- Openflow

★★★★★

- MPICH

★★★★★

REFERENCES



Dr. (Mrs). B. Mayurathan

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B.Sc. [Hons] (Jaffna), Ph.D. (Peradeniya)

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Dr. K. Thaboathan

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