

Sachintha Dissanayaka

Department of Computer Engineering, University of Jaffna, Sri Lanka

✉ sanisenevirathna@gmail.com

☎ (071) 034-8556

🐙 github.com/SachinthaNimesh

🌐 linkedin.com/in/sachintha-Dissanayake

🏠 Hanguranketha, Sri Lanka

PROFILE

I'm a Computer Engineering undergraduate passionate about leveraging technology to solve real-world problems. With a focus on innovation and impact, I approach challenges strategically, delivering smart, resource-efficient solutions.

TECHNICAL SKILLS

▪ Programming Languages

Java | Python | C++ | SQL | JavaScript | VHDL | Verilog HDL

▪ Frameworks & Libraries

.NET | Blazer | React.js | Node.js | FastAPI | Express.js | Bootstrap | Tailwind CSS

▪ Developer Tools

Git | Docker | VS Code | Postman

▪ Databases

MongoDB | MySQL

▪ Other

RESTful APIs | Agile/Scrum | CI/CD | Jira | Data Structures and Algorithms | OOP

PROJECTS

▪ Exam Registration Portal for the University of Jaffna | [GitHub](#) |

Full-stack exam registration system built with .NET Framework and MySQL, featuring real-time interaction for advisor-student exam management and secure data operations through RESTful APIs.

Tech Stack: Blazer Server, ASP.NET Core, C#, MySQL

▪ Mate Chatbot for Slack Integration

|  [GitHub](#)

AI-powered Slack chatbot implementing RAG architecture with LangChain and OpenAI. Features Chroma vector database for efficient document retrieval and contextual responses to Web3 bootcamp queries.

Tech Stack: Python, LangChain, OpenAI API, Chroma Database, Slack Block Kit

▪ Big Data Analytics and Deployment Using Distributed Computing (Ongoing Research)

Research focused on optimizing distributed big data systems, including real-time data streaming pipelines and query optimization across cloud environments.

Tech Stack: Apache Hadoop, Apache Spark, Apache Kafka, Apache Flink

▪ Airbnb Clone Web Application (Ongoing)

|  [GitHub](#)

Full-stack MERN application with JWT authentication, property listing management, real-time booking system, and cloud-based image storage. Features include advanced search, user reviews, and responsive design.

Tech Stack: MongoDB, Express.js, React.js, Node.js

EDUCATION

▪ Bachelor of the Science of Engineering in Computer Engineering

University of Jaffna - Jaffna, Sri Lanka

Expected Graduation: October 2025

GPA: 3.5/4.0

▪ G.C.E. Advanced Level Examination (2019)

Poramadulla Central College - Rikillagaskada, Sri Lanka

Grades: Physics - A | Combined Mathematics - B | Chemistry - B

Activities: Deputy Head Prefect, Founder of Quiz Club, President of Environmental Society, Senior Sergeant at St. John Ambulance Brigade, Air Force Cadet, Scout, Athletics, Rugby, Wrestling, Baseball, Karate

EXPERIENCE

▪ National Project Coordinator – Learn Steer, Sasnaka Sansada Foundation (Sep 2019 - Dec 2020)

- Built educational platform from the ground up, growing to 10,000+ monthly active users in 12 months
- Recruited and managed a team of 250+ university student volunteers
- Created thousands of educational resources, achieving 95% positive user feedback

▪ President, Computer Engineering Society (Oct 2024 - Present)

- Organizing an industry-academia collaboration event, securing partnerships with a leading tech company
- Launched a monthly technical talk attended by 50+ students
- **National Project Coordinator - Nipayumani, Sasnaka Sansada Foundation (Jan 2023 - Present)**
 - Developed and executed 20+ hybrid learning sessions, reaching 3,000+ students
 - Created a mentorship framework connecting student inventors with experts
- **Assistant Secretary, IEEE Student Branch University of Jaffna (Feb 2023 - Jan 2024)**
 - Coordinated a cross-faculty event with 50+ total attendees from the Science and Engineering departments
 - Increased member engagement by 45% through new initiative implementation

ACHIEVEMENTS

- IEEE Xtreme 18.0 - Global Rank 620
- UoJ Coders 3.0 - Local Rank 02
- ACES Coders 11.0 – Local Rank 24

CERTIFICATIONS

- edX Verified Certificate for Introduction to Cloud Computing
- Learn Cloud Computing with AWS
- Advanced Learning Algorithms

REFERENCES

Dr. Pratheeba Jeyanathan

Head of the Department,
Department Of Computer Engineering,
University Of Jaffna,
Sri Lanka.

Email: pratheeba@eng.jfn.ac.lk

Phone: +94-21-206-0160

Dr. Jananie Jarachanthan

Senior Lecturer,
Department of Computer Engineering,
University of Jaffna,
Sri Lanka.

Email: jananie@eng.jfn.ac.lk

Phone: +94-21-206-0161