Keerththansana Sutharsan

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○ github.com/keerththansana   🔗 Keerththansana Portfolio

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PROFILE

Second-year Information Technology student with demonstrated excellence in programming and software development through hands-on projects. Consistently achieved top academic performance while building real- world applications using Java, Python, and modern web technologies. Quick learner who combines strong technical fundamentals with a passion for clean code and problem-solving. Seeking a software development internship to apply classroom knowledge in a professional environment and grow alongside experienced developers

TECHNICAL SKILLS

Programming Languages: Python, Java, PHP, JavaScript, TypeScript

Web Technologies: React.js, Node.js, Express.js, Next.js, HTML5, CSS3

Mobile Development: Android Studio, Firebase

Database Systems: MongoDB, MySQL, PostgreSQL, Firebase Realtime

Database **Machine Learning:** TensorFlow, Pandas, NumPy, Computer

Vision **Tools:** Git, GitHub, Jira, Figma

Cloud Platforms: Firebase, AWS (basic)

EDUCATION

Institute of Technology, University of Moratuwa,   Sep 2022 - Present | Homagama, Sri Lanka
National Diploma in Information Technology (NDT)
  CGPA - 3.61

Chavakachcheri Hindu College,   Apr 2018 - Nov 2020 | Chavakachcheri, Jaffna
GCE Advanced Level (Physical Science)

PROJECTS

Sign Language Translator, *(Python, Java, Firebase, Android Studio)*
  Developed an innovative Android application using Java and TensorFlow, achieving 95% accuracy in translating sign language alphabets into text. Leveraged OpenCV and a custom CNN model to implement real-time image processing, resulting in a 40% reduction in latency. Integrated Firebase for secure user authentication and real-time data synchronization, enabling the application to support concurrent users efficiently.

Modern E-commerce Restaurant Website, *(React, MongoDB, Node.js, Express.js)*
  Developed a dynamic and user-friendly e-commerce restaurant platform using **React**, **MongoDB**, **Node.js**, and **Express.js**, enabling seamless online ordering and payment processing. Designed RESTful APIs to support efficient data management and real-time updates for enhanced user experience

Library management system, *(Java)*
  Created a robust library management system in **Java**, streamlining book inventory, member tracking, and transaction records. Integrated intuitive user interfaces and efficient backend logic to improve operational efficiency and user satisfaction.

EXTRACURRICULAR ACTIVITIES

Yarl IT Hub, *Volunteer*   Jun 2024 - Present

ITUM English Club, *Member*   Aug 2023 – Sep 2024

Zero Plastic NDT, *Volunteer*   May 2023 – Jun 2024

CERTIFICATIONS

Uki Data Science Coures, *Following*

Python Programming Excellence Certificate, *Guvi with IIT Medras*

AI and Data Science Internship Program, *Novi Tech Pvt*

Full Stack Development Masterclass, *Novi Tech Pvt*

AWARDS

Best Presenter, *Gavel Club of Institute of Technology, University of Moratuwa*

2nd Runner up, *University Level Public Speaking Competition*

Finalist, *Gavel Club of University of Sri Jayewardenepura*
   Interuniversity Public Speaking Competition (Top 10 among 100+ participants)

REFERENCES

Dr. (Mrs.) K Galappaththi, *Head of the Division, Division of Information Technology,*
Institute of Technology, University of Moratuwa
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Ms. Sithara Madhubhashini, *Lecturer, Division of Information Technology,*
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