

Lekha Sathvik Devabathini

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Skills:

Full-Stack Development, Mobile App Development, Machine Learning, Deep Learning, Research

• Programming Languages:

- Java
- python,
- JavaScript
- Dart

• Frameworks:

- Express.js
- Flutter
- Scikit-Learn
- TensorFlow
- Spring
- Django

• Tools:

- SQL,
- Git
- Firebase
- Bash
- Linux

Course Work:

UNDERGRADUATE:

Object Oriented Programming

Design and Analysis of Algorithms

Data Structures

Mathematics for Intelligent Systems

OTHERS:

Back End Development and APIs

Master Express Framework

Data Science with Python – Certificate ID (UIITG-220309592)

Achievements:

- Winner- Smart India Hackathon 2022 ([Certificate](#))
Developed a machine learning based solution for detection of Dyslexia in children.
Uses various Microsoft computer vision- APIs and Some speech to text and text to speech python libraries.

Experience:

- Intern at Amrita Centre for Wireless Networks and Applications (Oct 2022 – Present):

Took part in development of Frontend and Backend development of Authentication module, Mathematical modelling of business logic for a finance application which may soon be scaled to more than 1 lack users.

Currently doing research on applications of Artificial Intelligence in Vehicular Networks.

Worked in the areas of:

- UI and UX design using flutter
- API development using Express.js in Node.js
- Database Management in MySQL.
- Machine Learning using Scikit-Learn
- Deep Learning using TensorFlow

- Member at ACM-AI@Amrita (Apr 2022 – Feb 2023)

Worked on Machine Learning, Deep Learning and Federated-Learning. Participated in various workshops and club activities.

Projects:

- Dyslexia Detection using Machine Learning:

This project aims to detect Dyslexia among children based on handwriting samples and some simple tests using Machine Learning techniques.

Tech Stack: Python, Scikit-Learn, Streamlit

Source Code: [Dyslexia Detection \(github.com\)](#)

- Portfolio:

This is a basic website built using Flutter as my portfolio site.

Tech Stack: Flutter

Source Code: [Portfolio \(github.com\)](#)

Website: [dlsathvik04.github.io](#)

- Auth:

A client and server Full-Stack application built using Express and Flutter with login, registration and Forgot Password features which uses email for OTP.

Tech Stack: Node.js, Express.js, Flutter

Source Code: [Auth \(github.com\)](#)

- Device Control:

A Realtime IoT application with a server written in Java running on Raspberry pi and a client on android device to control electronic devices using Smart Phone. The application uses Socket Programming to work in real-time.

Tech Stack: Java, Flutter, Sockets

Source Code: [Device Control. \(github.com\)](#)

Education:

- Amrita School of Computing: 2021 – Now (UG - 9.89/10 GPA till semester-3)

Currently in semester-2 of B. Tech in Computer Science and Engineering, with specialization in Artificial Intelligence.

- FIITJEE College, Vijayawada: 2019 – 2021 (11th and 12th – 95.6%)
- Jawahar Navodaya Vidyalaya: 2014 – 2019 (6th to 10th - 94%)