

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 (300 h)

Master Express Framework

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

Achievements:

- **Winners- Smart India Hackathon 2022 (Certificate)**

Developed a machine learning based solution for detection of Dyslexia in children which uses various Microsoft and Google's computer vision-APIs and Some speech to text and text to speech libraries.

Experience:

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

Took part in development of Frontend and Backend 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:**

Developed a web application based on Machine Learning which uses handwriting samples of children to predict presence of dyslexia with 95% accuracy.

Tech Stack: Python, Scikit-Learn, Streamlit

Source Code: [Dyslexia Detection \(github.com\)](https://github.com/dlsathvik04/Dyslexia-Detection)

- **Portfolio:**

Created a website for developing my online presence built using Flutter.

Tech Stack: Flutter

Source Code: [Portfolio \(github.com\)](https://github.com/dlsathvik04/Portfolio)

Website: dlsathvik04.github.io

- **Auth:**

As a part of software solution for women SHG's developed a client and server Full-Stack module built using Express and Flutter with login, registration and Forgot Password features which uses email for OTP and can be scaled to lacks of users.

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

Source Code: [Auth \(github.com\)](https://github.com/dlsathvik04/Auth)

- **Device Control:**

Developed an application for real-time control of devices. The application achieves near real-time control among multiple clients using Socket Programming.

Tech Stack: Java, Flutter, Dart, Sockets

Source Code: [Device Control. \(github.com\)](https://github.com/dlsathvik04/Device-Control)

Education:

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

Currently in semester-5 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%)**