

Lekha Sathvik Devabathini



+91 8331981309 | GitHub | LinkedIn | dlsathvik04@gmail.com | dlsathvik04.github.io
Ongole, Prakasam, Andhra Pradesh, India.

Skills:

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

• Programming Languages:

- Java
- Python
- HTML | CSS | JS/TS
- Dart

• Frameworks:

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

• Tools:

- SQL
- Git
- Firebase
- Bash
- PowerShell
- Linux

• Soft skills:

- Project Organisation
- Technical Writing
- Presentation

Course Work:

Undergraduate:

Object Oriented Programming
Data Structures and Algorithms
Mathematics for Intelligent Systems

Others:

Back End Development and APIs (300 h)
Master Express Framework
Data Science with Python (UITG-220309592)

Achievements:

• Winners- Smart India Hackathon 2022 (Certificate)

Prototyped a machine learning based solution for detection of Dyslexia in children which uses various libraries cloud APIs.

About Me:

Undergraduate student hardened in software development and coding with rigorous exposure to various challenging projects. Proven ability to trigger progress in stagnant projects with useful observations and insights. A consistent performer and a good listener with a great zeal to excel in the work at hand in creative and innovative ways.

Experience:

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

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

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 lakh users.

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:

• Auth: Aug 2023

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 As a part of software solution for women SHG's which is to be scaled to lakhs of users.

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

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

• Device Control: Aug 2023

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)

• Portfolio: Apr 2023

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

• Dyslexia Detection using Machine Learning: Aug 2022

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)

Education:

• Amrita School of Computing: 2021 – Now (UG - 9.85/10 GPA till semester-5)

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%)