

# Lekha Sathvik Devabathini

☎ +91 8331981309 | 🌐 [github.com/dlsathvik04](https://github.com/dlsathvik04) | 📧 [dlsathvik04@gmail.com](mailto:dlsathvik04@gmail.com)  
📍 [dlsathvik04.github.io](https://dlsathvik04.github.io) | 📍 Ongole, Prakasam, Andhra Pradesh, India.



## Profile

Undergraduate student hardened in software development and coding with rigorous exposure to various challenging projects in the areas of Development, AI & ML, and Data Analytics. Proven ability to trigger progress in stagnant projects with useful observations and creative insights with consistent work.

## Education

- Amrita School of Computing, Amritapuri: 2021 – Present (B. Tech with specialization in AI - 9.7/10 GPA)
- FIITJEE College, Vijayawada: 2019 – 2021 (11<sup>th</sup> and 12<sup>th</sup> – 95.6%)
- Jawahar Navodaya Vidyalaya, Ongole: 2014 – 2019 (6<sup>th</sup> to 10<sup>th</sup> - 94%)

## Internships

- **Intern at Amrita Centre for Wireless Networks and Applications (Oct 2022 – Present):**
  - Research on applications of Artificial Intelligence in Vehicular Networks.
    - Machine Learning using Scikit-Learn.
    - Deep Learning using TensorFlow.
  - Full Stack and Android development for a finance application with scalability in mind.
    - Android UI and UX design using flutter
    - API development using Express.js in Node.js
    - Database Management using MySQL, PostgreSQL, and MongoDB.
- **Member at ACM-AI@Amrita (Apr 2022 – Feb 2023)**
  - Workshops, Presentations, and club activities.
    - Machine Learning
    - Deep Learning
    - Federated-Learning

## Projects

- **AmPulse: Dec 2023** 📄  
Amrita exclusive social media application built to bridge the gaps between students of different batches. Built a good foundation and community for sustainable development.  
**Tech Stack:** Node.js, Express.js, React, MySQL
- **AmritaSREE: Aug 2023** 📄  
Full-Stack module built using Express and Flutter with basic authentication features 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
- **Device Control: Aug 2023** 📄  
Application for real-time control of devices. Achieved near real-time control among multiple clients using Socket Programming. Explored the concepts of Multi-threading and Synchronization.  
**Tech Stack:** Java, Flutter, Dart, Sockets
- **Dyslexia Detection using Machine Learning: Aug 2022** 📄  
A prototype based on Machine Learning which uses handwriting samples of children to predict presence of dyslexia. Achieved 95% accuracy on the available data. Won Smart India Hackathon for the year 2022.  
**Tech Stack:** Python, Scikit-Learn, Streamlit

## Skills

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

- **Programming Languages:** ▪ Java ▪ Python ▪ JS/TS | HTML | CSS ▪ 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

## Certifications

- freeCodeCamp - Back End Development and APIs (300 h)
- freeCodeCamp - JavaScript Algorithms and Data Structures (300h)
- Master Express Framework
- Data Science with Python (UIITG-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.