

Lekha Sathvik Devabathini

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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

Courses:

- freeCodeCamp - Back End Development and APIs (300 h)
- freeCodeCamp - JavaScript Algorithms and Data Structures (300h)
- Master Express Framework - Udemy.
- 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.

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: 2021 – Present (B. Tech -9.7/10 GPA)**
Computer Science and Engineering, with specialization in AI
- **FIITJEE College, Vijayawada: 2019 – 2021 (11th and 12th – 95.6%)**
- **Jawahar Navodaya Vidyalaya: 2014 – 2019 (6th to 10th - 94%)**

Internship:

- **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 development for a finance application with scalability in mind.
 - 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 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 Auth: 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. The application achieves near real-time control among multiple clients using Socket Programming.
Tech Stack: Java, Flutter, Dart, Sockets
- **Portfolio: Apr 2023** [↗](#)
Created a website for developing my online presence built using Flutter.
Tech Stack: Flutter
Website: dlsathvik04.github.io [↗](#)
- **Dyslexia Detection using Machine Learning: Aug 2022** [↗](#)
Web application based on Machine Learning which uses handwriting samples of children to predict presence of dyslexia. Achieved 95% accuracy.
Tech Stack: Python, Scikit-Learn, Streamlit