

# P SIDDHARTH

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## SUMMARY

Experienced Developer and UI/UX Designer with a strong background in HTML, CSS, JavaScript, Java, Python, Flutter and SQL. Passionate about designing and developing innovative web applications and AI-powered software solutions. Possesses strong expertise in Code Review, Debugging, and Software Development practices.

## EDUCATION AND CERTIFICATION

Bachelor's degree   Kalasalingam academy of research and education   CGPA - <b>8.42 / 10</b>	2026
10th   Edustar international school   Percentage - <b>77.2 %</b>	2020
12th   Edustar international school   Percentage - <b>75.5 %</b>	2022

## TECHNICAL SKILLS

Full stack development, Agile Methodology | HTML, CSS, JavaScript | Java, Python, SQL, PostgreSQL | Flutter, Dart | Fast API, REST APIs, API development & Integration | AI & ML Integration | GitHub | Microsoft Office.

## WORK EXPERIENCE

<b>Graphic Designer [INTERN]</b>	MAY 2024 - JUNE 2024
<ul style="list-style-type: none"><li>Designed visually appealing and user-friendly interfaces for web and mobile applications.</li><li>Conducted user research, wireframing, and prototyping using Figma.</li><li>Collaborated with developers to ensure smooth implementation of UI/UX designs.</li><li>Enhanced user experience by improving navigation, accessibility, and visual hierarchy.</li><li>Created brand assets, illustrations, and marketing materials</li></ul>	

## PROJECTS

- AI-Powered code compiler.** Flutter, Dart
  - Created a mobile IDE supporting **multi-language coding, compilation, and debugging** with JDoodle API integration. Incorporated **Gemini Flash AI** for real-time error correction, logic suggestions, and intelligent code assistance. Enabled **cloud-based file management and authentication**, making coding accessible anytime, anywhere via a Flutter-based mobile app.
- AI-Powered plant disease recognition.** Python
  - Developed an AI-powered plant disease detection system using CNN with EfficientNet transfer learning, achieving **98.49% accuracy** on 38 leaf disease classes. Integrated Google Gemini AI for **multilingual, real-time insights, treatment recommendations, and text-to-speech** support. Designed a **user-friendly web interface** to empower farmers with accessible crop health diagnostics.
- Mental health app for mentally ill children.** Flutter, Dart
  - Developed a Flutter-based mental health platform that uses wearable sensor data to detect stress levels and recommend **personalized activities** across states (High → Moderate, Moderate → Peace, Peace → Stable). Included diverse modules like **yoga, music therapy, art therapy, games, and cognitive exercises**, with an engaging UI to promote relaxation, emotional well-being, and sustained mental stability.
- Forest Fire Prediction System.** HTML, CSS, JavaScript, Python
  - Developed a machine learning model to predict the likelihood of forest fires using environmental factors such as temperature, humidity, wind speed, and rainfall. Implemented data preprocessing, feature selection, and model evaluation to improve prediction accuracy. Built a simple interface to visualize fire-risk levels and support early warning and prevention efforts.