

# Dilsha K

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Kannur, Kerala, India



Information Technology graduate with hands-on experience in full-stack development, mobile applications, and real-time communication tools. Developed impactful solutions for accessibility and healthcare using React Native, Firebase, and speech recognition. Passionate about building inclusive technologies and contributing to meaningful software projects.

## EDUCATION

**Government Engineering College Idukki**

**November 2021 - May 2025**

Bachelor of Technology - Information Technology  
Idukki, Kerala

CGPA: 8.17/10

## SKILLS SUMMARY

- Languages:** Python, JavaScript, Java, C, R, SQL, HTML, CSS
- Web/Mobile Frameworks:** React, React Native, Expo, Django, React Navigation, Firebase SDKs, Node.js
- Database:** Firebase, MySQL, MongoDB
- Tools & Version Control:** Git, GitHub, VS Code, Expo CLI, Firebase Console, Postman, Figma
- Soft Skills:** Problem-Solving, Team Collaboration, Adaptability, Communication

## WORK EXPERIENCE

**Teachnook**

**May 2023 - June 2023**

**App Development Intern**

- Designed and built real-world mobile app features using React Native, Expo, and Firebase.
- Worked on navigation, authentication, API integration, and debugging.
- Strengthened skills in mobile deployment and responsive UI design.

## PROJECTS

**Speech Recognition System for Individuals with Cerebral Palsy**

**July 2024 - April 2025**

- Developed a real-time communication app to assist individuals with speech and motor impairments.
- Integrated machine learning and speech recognition for accurate voice-to-text and text-to-speech conversion.
- Built the app using React Native and Firebase for cross-platform support and real-time data syncing.
- Enabled remote connectivity to facilitate seamless interaction between users and caregivers.

**Blood Donation Mobile Application**

**January 2024 - May 2024**

- Developed a user-friendly blood donation app to connect donors and recipients efficiently.
- Used React for building an interactive and responsive front-end interface.
- Implemented the back-end with Django, enabling secure user authentication and data management.
- Included features such as donor registration, search by blood group/location, and request tracking.

**Health Report Analysis Web App**

**June 2025**

- Developed a web app to upload lab reports (PDFs/images) and extract key health metrics using OCR (Tesseract) and Python.
- Used FastAPI and React.js for full-stack integration.
- Enabled users to view and interact with structured health data and receive contextual suggestions.
- Focused on clean UI, document parsing, and secure file handling.

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## CERTIFICATIONS

### [Mobile App Development – Teachnook](#)

Successfully completed a hands-on training program focused on building real-world mobile applications using React Native, Expo, and Firebase, including modules on UI/UX design, API integration, and deployment.

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## EXTRACURRICULAR ACTIVITIES

### ICFOSS Campus Ambassador

**May 2024 - December 2024**

- Organized and coordinated open-source technology workshops and events, aimed at educating students on modern development tools, best practices, and collaboration in open-source ecosystems.
- Promoted community-driven innovation by encouraging peer learning, hands-on coding sessions, and contributions to real-world open-source projects.

### Magazine Editor

**November 2023 - October 2024**

- Led the content team for various technical and non-technical initiatives, overseeing content planning, creation, and quality assurance across multiple platforms.
  - Strengthened collaboration and editorial skills by coordinating with designers, developers, and writers to ensure clear, engaging, and consistent communication.
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## LANGUAGES

- **English** – Full Professional Proficiency
  - **Malayalam** – Native Proficiency
  - **Hindi** – Professional Working Proficiency
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