

SABARINATH S

Android Developer & EEE Student

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PROFILE

Final-year Electrical and Electronics Engineering (B.Tech, 2022-2026) student and tech creator with a 100K+ YouTube community. Passionate about building secure, innovative hardware-software solutions, specializing in Android Development, IoT, and Cybersecurity.

EDUCATION

- Bachelor of Technology in Electrical and Electronics Engineering – 2022 – 2026
SCMS School of Engineering And Technology, Ernakulam
- Higher Secondary (IHRD) | Model Technical Higher Secondary School, Kaprassery 2020 – 2022

CERTIFICATIONS

- Certified Penetration Tester (CPT) | RedTeam Hacker Academy | Issued: Sept 24, 2021.
 - *Credential ID: RTXSTU11917.*
 - Expertise in Network/Web App Penetration Testing, VAPT, and Vulnerability Management.
- Best Vehicle Engineering & Innovation Award | SAEINDIA Southern Section | Oct 2025.
 - Certified for technical excellence in the 3rd Edition EFWDC at SASTRA University.
- Technical Training: Workshop on AutoCAD & PCB Design.

PROJECT

Integrated Driver Assistance System with Health Monitoring in EV

- Developed a prototype using Arduino UNO and ESP32 to integrate real-time lane departure detection and obstacle sensing.
- Implemented driver drowsiness monitoring and health tracking (Heart Rate, Blood Pressure).
- Programmed automated safety responses, including visual/audio alerts and emergency braking simulations.

SKILLS

TECHNICAL SKILLS

- Languages: Python, C Programming, Java.
- Embedded Systems: IoT, Arduino, ESP32, PCB Design.
- Security: VAPT, Wireless Security, Network Security.
- Tools: Microsoft Office (Excel, Word, PowerPoint).

SOFT SKILLS

Leadership, Strong Problem-Solving, Teamwork, Adaptability, Attention to Detail