

ANAND SURESH

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EDUCATION

A P J Abdul Kalam Technological University	Nov 2021 – June 2025
Bachelor of Technology in Computer Science Engineering	CGPA: 7.4
CBSE Senior Secondary	June 2020 – June 2021
Science – PCMB	Grade: 95.4%
CBSE Higher Secondary	June 2018 – June 2019
Science – PCMB	Grade: 94.3%

SKILLS

Languages	C, Python, HTML, CSS, SQL, Java
Tools	Visual Studio Code, PyCharm
Soft Skills	Time Management, Teamwork, Communication, Problem Solving, Leadership, Accountability

PROJECTS

Tactile Braille — Arduino, Python, Serial Communication, DC Motors

- Developed a text-to-Braille system using a 3x2 grid of vibration motors to assist visually impaired users.
- Implemented real-time serial communication between Python and Arduino for seamless data transfer.
- Improved tactile feedback response time by 40%, enhancing accessibility and user experience.

Smart Lock Uno — Arduino Uno, Python, OpenCV, RFID, Web API

- Designed a smart lock system integrating facial recognition (98% accuracy), RFID authentication, and web API-based remote access.
- Decreased unauthorized access by 90% and improved authentication speed by 50%.
- Controlled a 12V solenoid lock via Arduino, achieving 99% operational reliability.

SpeakEasy AI Assistant — React Native, Node.js, MongoDB, Firebase, Google Cloud APIs

- Built a mobile AI assistant with emotion recognition (Hume AI) and multilingual translation using Google Translate API.
- Integrated Google Speech-to-Text and Text-to-Speech APIs for real-time voice interaction.
- Achieved 25% increase in user engagement through adaptive, context-aware conversations.

CERTIFICATIONS & TRAINING

Python Programming — Face in Technologies Pvt. Ltd., Dec 2024

- Completed training in core and advanced Python including OOP, file handling, and data analysis.
- Gained hands-on experience through project-based learning and practical exercises.
- Attended soft skills sessions focused on communication, teamwork, and professional development.

KEEMS SACE 2023 — Science, Arts, and Cultural Exhibition

- Participated in a collaborative machine learning and IoT project, gaining practical exposure.
- Applied data analysis and creative thinking to propose tech-based solutions.
- Earned Top 3 placement recognition for innovative project execution.