

# SUBALAKSHMI E K

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## EXECUTIVE SUMMARY

A driven and meticulous Computer Science graduate. Skilled in data structures, programming, and system design. Knowledgeable in developing scalable applications and exploring emerging technologies such as AI/ML and cloud computing. Passionate about continuous learning, innovation, and delivering effective solutions that enhance system performance and business value.

## SKILLS

- Programming Languages: Python, C
- Web Development: HTML, CSS, JavaScript, React basics
- Databases: MySQL, SQL
- Software Development Concepts: Object-Oriented Programming (OOP), SDLC
- Other Tools & Concepts: REST API integration, debugging, version control (Git/GitHub), Cloud computing (Oracle, Google), VS Code

## EDUCATION

### Degree(2022-2026)

- B.E. in Computer Science & Engineering | Government College of Engineering, Dharmapuri | 4th Year, 7th Semester | CGPA: 8.52/10
- Relevant Coursework: Data Structures, DBMS, Operating Systems, Computer Networks, Software Engineering

### Higher Secondary (2022)

- Sri Ayyan Vidhyashram Higher Secondary School, Thiruvallur  
Percentage:90.5

## TOOLS

VS Code, Git/GitHub, Flutter, Django, Firebase

## SELF EXPERIENCE (PROJECTS)

### Currency Converter App | Flutter

- Developed a mobile app to fetch real-time exchange rates using a third-party API.
- Added features to save favourite currency pairs and provide live updates.

### JARVIS AI Voice Agent | Python + LiveKit

- Developed a voice-activated AI assistant using LiveKit and Python, enabling real-time voice interaction.
- Integrated functionalities such as web search, weather updates, and system control commands.

### Cloud-Based Attendance Management System | Django + Oracle Cloud

- Developed to track student/employee attendance with real-time cloud integration.
- Implemented authentication, secure storage, and automatic report generation.
- Ensured system scalability and reliability for multi-user access.

## INTERNSHIPS

- Intern – SBS Technologies (1Month)  
Gained hands-on experience in AI model development and implementation.

## CERTIFICATIONS

- Oracle Cloud Computing Fundamentals
- Mobile Application Development
- Deep Learning
- Data Analytics by Google

## STRENGTHS

- Strong problem-solving and analytical skills
- Quick learner, effective communication and teamwork
- Passionate about emerging technologies and innovation
- Ability to work on AI/ML project

