

# YANAMALA SUDHEER BABU

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## CAREER OBJECTIVE:

Aspiring Software Engineer with an ECE background and a strong passion for coding and software development. Skilled in Java and actively improving my technical abilities through academic and personal projects, I am looking for an opportunity to apply my problem-solving skills and contribute to meaningful software solutions in a dynamic work environment.

## EDUCATION:

<b>B. Tech – Electronics &amp; Communication Engineering</b>	<b>2025   CGPA: 7.19/10.0</b>
Kalasalingam Academy of Research & Education, Tamil Nadu	
<b>Intermediate – MPC</b>	<b>2021   Percentage:71%</b>
Sri Chaitanya Junior College, Board of Intermediate Education, Andhra Pradesh	
<b>SSC</b>	<b>2019   CGPA: 8.2/10.0</b>
Holy Rosary EM School, Board of Secondary Education, Andhra Pradesh	

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## PROJECTS:

### Smart Low-Light Image Enhancement for Emotion Detection| Python

- Created a low-light emotion detection system using OpenCV and deep-learning models. Improved facial feature visibility through image enhancement techniques, increasing emotion recognition accuracy under challenging lighting conditions.

**Tools & Technologies:** Visual Studio & OpenCV, TensorFlow.

### Virtual Pet Simulator using Java Swing & AWT| Java

- Developed an interactive Virtual Pet Simulator using Java Swing and AWT, featuring user authentication, pet management, and real-time mood and stat updates. Implemented OOP concepts, including inheritance, encapsulation, abstraction, and polymorphism, along with data persistence using serialization.

**Tools & Technologies:** Java, Swing, AWT, Serialization, Graphics2D, Audio API

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## INTERNSHIP:

### Main Flow Services and Technologies.

**July 2024 – Sept 2024**

Gained hands-on experience with basic Java programming concepts, such as variables, loops, arrays, strings, and object-oriented concepts, while practicing and debugging basic to intermediate programs, such as pattern printing, string manipulation, and collections usage. I also worked on small tasks involving classes, objects, constructors, methods, and exception handling to reinforce general programming concepts.

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## TECHNICAL SKILLS:

- Programming languages:** Java, Python.
- Web Technologies:** HTML & CSS
- Databases:** MySQL, Oracle
- Tools / IDEs:** Git, Visual Studio, IntelliJ IDEA, Eclipse.
- Hardware Tools:** Arduino, TinkerCad
- Operating Systems:** Windows, macOS

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## STRENGTHS :

- Consistency & Discipline
- Hardworking Individual