MUTHU B

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TECHNICAL SKILLS

Languages: C, Python, Java, Bash

Cloud & Ops: AWS (EC2), Linux Admin,
Nextcloud, Git, Termux

Web/Dev: HTML, CSS, JavaScript,
Canvas API, ML Integration

Tools: VS Code, NetBeans, MS Office, Google Cloud

EDUCATION

B.E. Computer Science
Annapoorna Eng. College
2022 – 2026
CGPA: 8.5 / 10

CERTIFICATIONS

• Python (NPTEL)
• Java Programming (ATS)

STRENGTHS

• Linux & Cloud Ops
• IoT Architecture
• System Troubleshooting
• Technical Leadership

PROFESSIONAL SUMMARY

Final-year Computer Science student with a 8.5 CGPA, specialized in Linux, Cloud Infrastructure (AWS), and IoT. Proven track record in developing high-impact engineering tools and health monitoring systems. Skilled in bridge-building between hardware (ESP32) and cloud-ready web environments.

TECHNICAL PROJECTS

NephroSense – IoT Kidney Health Monitoring

• Developed an IoT system using ESP32 and health sensors for real-time monitoring.
• Integrated ML-based CKD (Chronic Kidney Disease) risk prediction models.
• Designed a cloud-ready architecture for remote patient monitoring and data analysis.

Sedimentation Tank Designer (Web Tool) | dwst.netlify.app

• Built a specialized hydraulic calculator using Canvas API for blueprint visualization.
• Automates complex civil engineering flow demands and structural dimensions.

Nextcloud Deployment on AWS

• Deployed and secured a private cloud storage system on AWS EC2.
• Configured Linux server environments, IAM roles, and storage management.

AI-Based Chronic Disease Prediction

• Built a web-based MVP for early disease detection using ML workflows.

EXPERIENCE & LEADERSHIP

Java Intern | ATS, Salem

• Developed OOP-based Java applications and optimized software debugging cycles.

Technical & Code Debugging Coordinator

• Managed technical infra for college symposiums and led real-time coding resolution teams.