



SUMMARY

Full Stack Java Developer skilled in Java, web technologies, and AI solutions, with experience in end-to-end application development and data-driven systems. Proficient in building scalable web applications and real-time data processing solutions, delivering impactful results in both academic and industrial projects.

EDUCATION

B.E – Electronics & Communication Engineering
Poojya Doddappa Appa College, 2021 – 2025| CGPA: 7.23

SKILLS

- **Languages:** Java (Core), HTML5, CSS3, Python (Basic).
- **Tools:** VS Code, Eclipse, Git/GitHub
- **Frontend:** Responsive UI Design, DOM Manipulation, CSS Flexbox/Grid

ACADEMIC PROJECTS

Smart ECG Analysis & Heart Condition Detection using AI

Developed an AI-powered ECG analysis platform to detect heart abnormalities from 2-lead and 12-lead ECG data. Designed and trained a deep CNN-LSTM model achieving 73% accuracy in beat classification. Implemented advanced signal preprocessing (bandpass filtering, DC offset removal) to improve signal clarity and reliability. Integrated demographic data to enhance prediction accuracy. Built for real-time clinical use and remote patient monitoring, providing automated, data-driven cardiac health insights.

Full Stack & Web Development

- Simple Travel Agency Website – Built a fully responsive, cross-platform website using HTML5 and CSS3, optimized for smooth navigation and clean design.
- Weather Reporting System – Developed a real-time IoT-based weather station using Arduino and sensors, integrated with cloud services to deliver live environmental data and instant alerts.

INTERNSHIP EXPERIENCE

Full Stack Java Trainee – TAP Academy (Jul 2024 – Present)

- Undergoing intensive Full Stack Java Development training from core to advanced concepts, including Java, HTML, CSS, Spring Framework, and database integration.
- Gaining hands-on experience in building scalable web applications, applying OOP principles, and implementing REST APIs.
- Enhancing soft skills such as communication, teamwork, and problem-solving through real-world coding challenges.

IoT Development Intern – Govt. Tool Room & Training Center (Nov 2023 – Jan 2024)

- Developed IoT solutions including Smart Parking Lot and Line-Following Robot using Arduino & PLC.
- Integrated ESP32 & Arduino Cloud for real-time data monitoring.
- Designed embedded control programs for sensor-based systems.

Content & Social Media Strategy Intern – Chamberly (May 2024 – Jul 2024)

- Designed engaging visuals for Instagram & LinkedIn to boost brand presence.
- Planned and executed creative content strategies, increasing engagement by 30%.

CERTIFICATIONS

- 48th Series SPP Project Exhibition – Certificate of Selection & Presentation for Smart ECG Analysis & Heart Condition Detection using AI
- PLC, Automation, IoT – Govt. Tool Room & Training Center
- Innovation by Design – NPTEL
- Social Media Content Creation – Chamberly

ACHIEVEMENTS

- Selected for presentation at the 48th Series Student Project Programme (SPP) Exhibition for Smart ECG Analysis & Heart Condition Detection using AI.
- Built 10+ academic and personal projects across Java, AI, IoT, and Web Development.