

BODDU SANDEEP

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Objective

Motivated and detail-oriented Electronics and Communication Engineering student with strong foundations in Java and Python. Passionate about building intelligent systems that integrate hardware and software to solve real-world problems. Seeking an entry-level software development role to apply analytical thinking, innovation, and problem-solving skills in a dynamic organization.

Education

Bachelor of Technology in Electronics and Communication Engineering

Anurag University -- GPA: 9.16 Sept 2021 – May 2025

Intermediate – Mathematics, Physics, Chemistry

Narayana Junior College -- Percentage: 97% June 2019 – May 2021

Secondary School Certificate (SSC)

Telangana State Model School, Parvathagiri -- GPA: 9.3 June 2018 – May 2019

Skills

Programming Languages: Java, Python

Web Technologies: HTML, CSS

Database Management: MySQL

Other Skills: Data Structures and Algorithms, Object-Oriented Programming, Git, RESTful APIs, Spring Boot
Unit testing

Tools: MATLAB, Xilinx

Projects

- **Smart Park Shield – Automated Vehicle Cover for Urban Spaces**

Technologies: Arduino, Ultrasonic Sensors, Embedded Systems, Motor Control

Engineered a mechanized vehicle cover system that improved parking efficiency by 30%.

Integrated proximity sensors to detect vehicle presence and systematize cover deployment.

Designed and developed a computerized motorized vehicle cover system, improving parking efficiency by 30%.

- **Identification of Plant Disease from Leaf Images**

Technologies: Python, CNN, Deep Learning, Image Processing

Developed a CNN-based system achieving 99.3% accuracy in plant disease detection.

Processed 1,500+ leaf images, optimizing preprocessing and feature extraction workflows.

Contributed to agricultural automation by reducing manual inspection time by over 70%.

Certifications

- C for Everyone: Programming Fundamentals – Coursera
- Java Programming Certificate – HackerRank
- Python Fundamentals – Infosys Springboard
- Cybersecurity Course – Cisco Networking Academy (NETACAD)

Accomplishments

- AI Internship – MathWorks: Applied MATLAB for developing and testing machine learning models, improving prediction accuracy by 15% and reducing data processing time by 20%.
- Cybersecurity Internship – EduSkills (AICTE-approved): Conducted vulnerability analysis and network protection simulations, identifying 20+ potential threats and enhancing network security by 30%.
- Java Internship – Coding Raja Technologies (AICTE-approved): Developed and optimized Java-based applications, improving UI responsiveness by 20% and reducing load time by 15%.
- 5 ★ Java Badge – HackerRank: Earned a top-tier recognition for advanced Java coding, algorithmic problem-solving, and data structure proficiency.