



# Dewang Jagtap

E&TC Engineer

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## SUMMARY

Motivated and detail-oriented **Electronics and Telecommunication Engineering** student with a strong interest in embedded systems, IoT, and network technologies. Skilled in **programming (C, C++, Java)** and hands-on with **microcontrollers, sensors, and electronic circuits**. Experienced in developing innovative hardware-software projects and familiar with **AWS cloud fundamentals**. Known for quick learning, teamwork, and applying technical knowledge to real-world challenges in automation and smart systems.

## INTERNSHIP EXPERIENCE AND TRAINING

### INTERN- Talent Battle Pvt. Ltd. (On-Campus)

- Completed training in Java; developed a software project using Java with Data Structures and Algorithms and practiced daily coding problems to strengthen problem-solving skills.

### INTERN- Talent Battle Pvt. Ltd. (On-Campus)

- Completed training in C and C++; developed a software project using C++ with OOP and data structures, and practiced daily coding problems to strengthen problem-solving skills.

### TRAINING- AWS Academy (Online)

- Completed AWS Academy Cloud Foundations course (20 hours), gaining knowledge of core AWS services, cloud architecture, security, and cost management principles.

## PROJECT

### • SAE TIFAN Automated Vegetable Transplanter

Developed and implemented a DC motor-controlled conveyor belt system for an automated vegetable transplanter, optimizing seedling delivery and transplanting efficiency.

### • Smart Dustbin Using Arduino

Developed a Smart Dustbin using IoT technology, integrating motion sensors for automatic lid opening and waste level monitoring. The system includes cloud connectivity for real-time tracking and AI-driven waste segregation. Powered by solar energy, it enhances waste management efficiency and promotes sustainability.

### • Smart Vacuum Cleaner Using Arduino

Developed a Smart Vacuum Cleaner integrating IoT and AI technologies for autonomous floor cleaning. Implemented sensors and algorithms for obstacle detection, path planning, and efficient navigation. Enabled remote control and scheduling through a mobile app, enhancing user convenience and cleaning efficiency.

## EDUCATION

### • Bachelor of Engineering (T.E.) in Electronics & Telecommunication (E&TC)

Pune Vidyarthi Griha's College of Engineering & Shrikrushna S. Dhamankar IOM, Nashik, Maharashtra  
Undergraduate, 2027 | CGPA: 7.11

### • Higher Secondary Certificate (HSC)

Janata Vidyalyaya and Jr.college,Satpur,Nashik,Maharashtra  
Completed: 2023 | Percentage: 54.17%

### • Secondary School Certificate (SSC)

Modern Education Society Sanchalit in  
Ashok Nagar,Nashik ,Maharashtra  
Completed: 2021 | Percentage: 83.40%

## TECHNICAL SKILLS

- Programming Languages:** Java , C and C++
- Data Structures and Algorithms:** Arrays, Linked Lists, Stacks, Queues, Trees (beginner)
- Database Management System (DBMS):** Basic concepts
- Soft Skills:** Creative, Communication, Team Work