

# P. Phanendra Sri Sai Manikanta

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## Education

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### **Bachelor of Technology (B.Tech) in Electronics and Communication Engineering**

Vignana Bharathi Institute of Technology (VBIT) – JNTUH

Hyderabad

August 2022 – Present (Expected Graduation: May 2026)

CGPA:

### **Intermediate (MPC) – Suchitra**

Narayana Junior College,

Telangana State Board of Intermediate Education

Hyderabad March 2022

Percentage: 70%

### **Secondary School Certificate (SSC) – Alwal**

Narayana High School, Board of Secondary Education

March 2020

GPA: 9.8 / 10

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## Experience

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### **Intern – DRDL (Defence Research and Development Laboratory)**

Hyderabad | Feb 14<sup>th</sup> – May 29<sup>th</sup> 2025

- Worked on QPSK Transmitter and Receiver design using Simulink

### **Major Project – Obstacle Detection & Luggage-Carrying Robot**

VBIT, Hyderabad

- Targeted for use in public areas like bus stops and railway stations and integrated sensors for real-time navigation and safety

### **Mini Project – Luggage-Carrying Robot for Public Transport**

VBIT, Hyderabad |

- Developed a semi-automated robot to help carry luggage at bus stops and stations  
Used motor controls and simple sensor logic for direction and weight balanced

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## **Skills**

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### **Programming Languages:**

- C (Embedded C), Java, Python, HTML

### **Tools & Software:**

- MATLAB, Simulink, Arduino IDE, Proteus, VS Code

### **Hardware & Robotics:**

- Microcontrollers (Arduino, basic sensors), Motor Driver Control, Obstacle Detection

### **Web Development:**

- HTML, CSS, JavaScript

### **Soft Skills:**

- Problem-Solving, Team Collaboration, Communication, Time Management

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## **Languages**

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- English – Fluent
- Telugu – Native
- Hindi – Conversational

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## **Hobbies**

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- Reading books,
- Making tech videos on YouTube
- Teaching

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## **Leadership & Extracurricular Activities**

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- Coordinator in Robotics Club – VBIT (2023–26)
- Organized and hosted many events during college days