

PAVAN KUMAR G

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Profile

Motivated student with a strong foundation in Web development and embedded programming, pursuing opportunities to apply skills and contribute to dynamic projects. Committed to continuous learning and thriving in collaborative environments.

Education

2021/01 – present	Electronics and Communication Engineering
KR Circle, Bangalore	<i>University Visvesvaraya College of Engineering</i> <ul style="list-style-type: none">• Overall CGPA of 8.9
2018/06 – 2021/03	PCME (Pre University Course)
Brigade Road, Bangalore	<i>ST Joseph's Pre-University College</i> <ul style="list-style-type: none">• Graduated with a percentage of 95.6

Projects

Portfolio

- Utilized react for building the frontend user interface, enabling dynamic and interactive components.
- CSS for styling and design, ensuring a visually appealing and user-friendly interface

Biped Bot

- Developed a custom mechanical structure for bipedal movement and implemented electronic control systems for precise motion and balance.
- Programmed the robot's onboard Arduino microcontroller for movement and interaction using embedded C.

Maze-Solver

- Developed a maze-solving robot using Arduino, LIDAR sensors, and encoders for navigation.
- Implemented algorithms for pathfinding and obstacle detection to ensure efficient maze traversal.

Air Servallence System

- Built a system for real-time projectile detection and tracking using Raspberry Pi, laser, and tilt mechanism.
- Developed hardware and software integration with OpenCV for precise targeting.

Experience

2022/08 – present	Google Developer Student Clubs (GDSC) Tech Team Member <ul style="list-style-type: none">• Organized workshops on Android Development(Flutter).• developed and organized CTF competition.
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Skills

C C++ python HTML CSS Javascript React Git Linux Embedded C

Awards & Certificate

Voltrob, IEEE UVCE

Secured first place in the Voltrob competition for building the Slogan board using the LCD display and Arduino.

GoCodeo AI Hackathon

Bagged 1st place in this hackathon where we had the train AI model for better accuracy.

SRISTI (AICTE)

Won second place in the project presentation for designing and building an 8-bit computer.