Karan Pramod Shivankar

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🔗 Karan Shivankar

Bharati Vidyapeeth deemed university college of Engineering,Pune

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Matlab
Design and Development: Solid works
Libraries : Python Libraries (NumPy, Pandas, Mat-Plot-Lib, Sea-Born, Scikit-learn, Keras)
Electrical Skills: Micro-Controllers (Arduino), Circuit Design, Sensor Integration,Power Management
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Leadership, Teamwork, Mentoring Skills
Rel-event Coursework: Autonomous Mobile Robots, Control Systems, Mechanical Design for Robotics, Electrical Circuits and Electronics, Data Structures & Algorithms, Operating Systems

EDUCATION

- **Bachelor of Technology in Robotics And Automation** *2022-26*

  Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune CGPA: 7.5

PERSONAL PROJECTS

- **Robotic Arm**

  Agriculture Pick and Place Operations.

  – ESP-32 Module(Arduino), 4 Servo Motor, Battery, PVC Pipe, Acrylic Sheet
  – Automating the Picking Process, These Robots Reduce the Reliance on Manual Labor, Which is Increasingly Scarce in Agriculture.(Fruit Harvesting, Vegetable Picking)

- **Arduino-Based Gate Parking**

  Manage Vehicle Entry and Exit

  – Arduino, RFID Card, 1 servo motor, 2 LED, 1 Bread-Board, Bread-Board
  – The Arduino-based RFID gate parking project is a system designed to control access to a parking area using Radio Frequency Identification (RFID) technology

- **Gripper Bot**

  Gripper Bot which can drive through an obstacle-filled path and Put the objects in the respective target zones

  – Electronic Stability Control(ESC), 4 Motor, Metal Chassis, 4 Wheels, Battery(12 V), Controller
  – The Competition Robot car equipped with a gripper for pick and place tasks.

- **Line Follower Robot**

  Line follower robot is an Autonomous Vehicle Designed to follow a visible line on the Ground.

  – Arduino, 5-IR Sensor, 2 Micro motor, 2 Wheels, Poly-lactic acid(3-D Printer), Battery(8 V) .
  – The robot operates based on the principle of detecting contrasts between colors black and white

EXPERIENCE

- **Shine-Arc Technologies** *23 Dec - 1st Feb 2025*

  Off-line

  – During his Employment: He has worked on circuit diagram, PCB design, and Arduino based Firmware Development
  – Testing and Debugging: They will conduct tests to ensure the reliability and functionality of the firmware.
  – knowledge C/C++ programming languages, Arduino hardware (e.g., Arduino Uno), Problem-Solving Skills

POSITIONS OF RESPONSIBILITY

- **Techno-Kshetra Volunteer** Management BVDUCOEP, PUNE *February 2025*

  – Particularly those involving Line-following Robots, Sumo Robots, and Robot Races, various positions of responsibility are crucial for effective Team Management and Successful outcomes..
  – Collected over Rs. 26,000 in entry fees for different activities.