DHINAKAR B

Robotics & Mechatronics Enthusiast

Email: dhinakarbm@gmail.com
Phone: 7339461536   **Location:** Chennai

About Me

Dedicated engineering student with expertise in CAD, embedded systems, and Autonoums robots. Proficient in blending hardware and software skills to drive innovative solutions. Adept at ROS2, Arduino, and Python programming, with a passion for advancing robotics technology.

Objective

To secure a challenging role in robotics or automation where I can leverage my technical skills and hands–on experience to contribute to cutting–edge innovations and industrial advancements.

EDUCATION

Vellore Institute Of Technology, Chennai
2022 - Present
   Bachelor of Mechatronics and Automation **CGPA: 8.6**

The Navodaya Academy, Namakkal (2022)
   HSC - **92.8%**

Bharathi Academy, Reddipatti (2020)
   SSLC - **90.8%**

TECHNICAL EXPERTISE

- CAD Designing
- Embedded Systems
- 3D Printing Technologies
- Circuit Designing
- Web Development

PROGRAMMING LANGUAGES

- Python
- HTML,CSS
- C++
- Java

EXPERIENCE

Co-Lead | Atom Robotics, VIT-Chennai
May 2024 - Present
Led a team of 30+ members in robotics projects, optimizing workflows and improving efficiency of the team.Designed autonomous robotic systems using ROS2 and integrated hardware using CAD tools. Collaborated on multiple projects, focusing on PCB designing and simulation, earning recognition for delivering innovative solutions.

Intern | Isuzu Motors India
June 2024 - July 2024

Analyzed assembly line processes to identify automation opportunities, reducing production downtime .Worked on skid movement process automation alongside the engineering team.

ACHIEVEMENTS

WRC-Technoxian 2023
Finalist in the Fastest Line Follower competition.
Techfest-IIT Bombay 2023
Zonal winner for Cozmoclench bot.
Technovit 2023
1st place in Line Follower competition.
Quantum X-24
Semifinalist in Battlebot competition

TOOLS

- SolidWorks
- Fusion 360
- MATLAB
- Arduino IDE
- Git
- ROS2
- ESP IDF

LANGUAGES

- English (Fluent)
- Tamil (Fluent)
- Hindi (Basic)