Supraj S

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Education

Course	Institute	Year of Pass-out	Percentage
10th	Prarthana Central School	2020	81
11th and 12th	Alpine Public School	2022	80
Bachelor's of Engineering **(Ongoing)**	JSS Academy Of Technical Education, Benagluru	2026	87

Objective

Utilize my technical skills and enthusiasm for technology to contribute to cutting-edge automation solutions, while gaining hands-on experience in the technology industry and advancing my expertise in innovative technologies.

Key Skills

- Programming (Python, SQL, C)
- AutoDesk Fusion 360
- SolidWorks (Catia)
- MATLAB
- ROS (Robot Operating System)
- Arduino
- RoboDK

Projects

N-Dcryptor : Developed a Python-based software application using the Tkinter library for an intuitive graphical user interface. The software enabled text data encryption and decryption, ensuring secure communication. Designed a multi-level access system: Super-user and admins could manage permissions and add new admins, while regular users utilized the application as a text editor. Prioritized a clean and user-friendly interface for seamless interaction.
Git-hub link: https://github.com/Supraj-coder/N-D-CRYPTOR

Obstacle-Avoiding Robot Built a robotics project using Arduino micro-controllers and IR sensors to detect and avoid obstacles in real time. Programmed efficient navigation logic to ensure autonomous movement in dynamic environments. Focused on hardware-software integration and system optimization for smooth operation.

IEEE Events conducted

Workshop on Arduino Micro-controllers and Sensors: Introduced participants to Arduino programming, interfacing sensors, and ESP32 modules. Conducted hands-on sessions for building a Bluetooth-controlled robot. Received positive feedback for engaging content and practical insights.

Workshop on Robot Operating System (ROS) and Arduino Interface: Explained ROS fundamentals and demonstrated its integration with Arduino boards. Facilitated hands-on exercises for participants to develop robotics-based projects. Highlighted real-world applications and encouraged participants to explore robotics.

References

Available upon request.