

# PRANAV S

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## PROFESSIONAL SUMMARY

Motivated and detail-oriented Engineering student specializing in Robotics and Automation.

Proficient in robotic systems design, simulation, and real-time control using platforms such as ROS, Arduino, RoboDK, Pneumatics and Fusion 360. Adept in collaborative problem-solving, technical communication, and adaptive learning.

## EDUCATION

Bachelor of Engineering - Robotics and Automation

JSS Academy of Technical Education, Bengaluru

PUC - Science (PCMC)

Narayana PU College, Bengaluru

1st Phase Girinagar, Banashankari 1st Stage, Karnataka 560085

High School

Auden School, Bengaluru

Banashankari 3rd Stage, Hosakerehalli, Karnataka 560085

10th Grade: 86.4%

PUC: 84.6%

Engineering CGPA (Till 5th Sem): 8.33

## PROJECTS

**Autonomous Line-Following Robot** - Developed with IR sensors and Arduino using PID control for efficient path tracking.

**Robot Simulation with RoboDK** - Simulated pick-and-place operations compatible with ABB and FANUC robotic arms.

**RC Aircraft** - Designed and built a lightweight, responsive remote-controlled aircraft for competitive events.

**Teleop Twist Robot** - Implemented ROS-based real-time robot control via keyboard teleoperation.

## TECHNICAL SKILLS

Programming: Python (basic), C (basic)

Tools & Platforms: ROS, Arduino IDE, RoboDK, Fusion 360, Cura, Hydraulics and

pneumatics Core Competencies: Teamwork, Communication, Analytical Thinking

## CERTIFICATIONS

Techniques for Big Data Analytics - Infosys Springboard (Nov 2023)

RC Craft Competition - Technoxian (July 2023)

## LANGUAGES

English, Hindi, Kannada - Advanced Proficiency