



Soham Bose

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EDUCATION

Manipal Institute of Technology, Manipal

BTech in Computer & Communication Engg.

Expected year of passing: 2026

- CGPA: 7.79/10
- Relevant Coursework: Data Structures (DS), Design and Analysis of Algorithms (DAA), Object Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks and Protocols (CNP), Software Design Technology (SDT).

INDUSTRIAL TRAINING

Worked as Summer Intern at Preeshe Consultancy Services Pvt Ltd as Back End Developer (15 May 2024 – 19 July 2024).

STUDENT PROJECT

Formula Manipal

Member of the Driverless Subsystem

(April 2024 – Present)

Accomplishments:

- Implemented PID – Stanley Control for autonomous car using Python, Robot Operating System (ROS2), Gazebo and Rviz. [Github](#)
- Implemented Path – Planning for autonomous car on racetracks in Python which helps the self-driven car to navigate its way on the track.

Achievements:

Member of the team Octane to secure first position in Bengaluru Regional Finale in NXP-AIM 2024.

Description of the Competition (NXP-AIM 2024): Challenge was to write python code to make the buggy successfully complete one lap within 7 minutes avoiding all the obstacles on the track and carefully moving at turns and ramps.

Our team completed the challenge in approximately 121 seconds (2 min 1sec).

TECHNICAL SKILLS

C, C++, Python, Java, HTML, CSS, JavaScript, NodeJS, ExpressJS, Relational Databases, Robot Operating System (ROS).