

Krushnal Patel

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SKILLS

LANGUAGES

C++ • HTML/CSS • \LaTeX
Python • JavaScript

TOOLS+TECH

ROS • Linux • ReactJS
NodeJS • git

SOFT SKILLS

Leadership • Communication

EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY

B.TECH IN COMPUTER ENGG.
Expected 2023 | New Delhi
Cum. GPA: 6.6

NEW MILLENNIUM SCHOOL

CBSE XII - SCIENCE

2019 | Bahrain
Percentage: 91%
SCHOLAR'S BADGE

INDIAN SCHOOL, BAHRAIN

CBSE X

2017 | Bahrain
Cum. GPA: 9.6/10

ABOUT ME

I am a software development enthusiast specializing in autonomous mobility, Web Development and robotics. Other hobbies and interests include cybersecurity and Artificial Intelligence.

LINKS

GitHub:// [krush11](#)
LinkedIn:// [krushnal](#)
My Portfolio: [krushnal.me](#)

SOCIETIES

COGNITIVE MINDS

DEBATING CO-HEAD
2020 - Present

EXPERIENCE

DEFIANZ RACING

NAVIGATION LEAD

Oct 2020 - Present | New Delhi

- Part of a team that made the **first autonomous F1 car** in India
- Developed robust Path Planning algorithm using **navstack** for ROS noetic
- Responsible for integration of **SLAM** into **ROS framework**
- Tuned and tested the simulation intensely to bring out the best performance of the vehicle

DTU SELF-DRIVING CARS

SOFTWARE ARCHITECT

Dec 2019 - Sept 2020 | New Delhi

- Developed software suite of an autonomous vehicle for **IGVC'20** (*canceled due to COVID'19*)
- Integrated data from sensors into **ROS framework** with NMEA 0183 compliance

CODING NINJAS

TEACHING ASSISTANT

Sept 2020 - Jan 2021 | Online

- Mentored a batch of 20 students in competitive coding in C++
- Debugged NodeJS codes
- Evaluated NodeJS and ReactJS projects

TECHNICAL PROJECTS

OPEN SOURCE CONTRIBUTIONS

- OpenCV **openCV**: PR # 19301
- OpenCV **openCV**: PR # 18590
- Google **gnostic**: PR # 226
- Frappe **erpnext**: PR # 23933