




# Ayan Kumar Naskar

Explorer and Researcher

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## Summary

AN avid explorer and a keen researcher who has experienced both the worlds of Civil Engineering and IT. A rigorous and task-driven researcher with experience in object detection programming and simulation scenario creation.

## Education

M.Tech. in Transportation Engineering  
**Indian Institute of Engineering Science and Technology, Shibpur** *Sep 2020 - Present*  
CGPA: 9.25

B.E. in Construction Engineering  
**Jadavpur University, Kolkata** *Jun 2012 - Jul 2016*  
CGPA: 7.96

Online BSc in Data Science and Programming  
**Indian Institute of Technology, Madras** *Sep 2021 - Present*  
CGPA: 7.8

Intermediate:- 91.6% *May 2012*

Matriculation:- CGPA: 9.6 *May 2010*

## Research/Work Experience

Teaching Assistant  
**Indian Institute of Engineering Science and Technology, Shibpur**  

- Researching on driver vision and driver reaction using computer vision and vehicle simulation software.
- Prepared custom dataset to train YOLO algorithm for traffic sign detection. *Sep 2020 - Present*
- Detected various traffic signs from video data using YOLO object detection algorithm.
- Created various scenarios on vehicle simulation software for experimentation in controlled environment.

Associate Software Developer  
**Accenture Solutions Private Limited, Kolkata**  

- Worked as an Informatica PIM developer.
- Managed client data via SQL Server Management Studio (SSMS).
- Tested APIs on Postman client.
- Operated on AWS remote desktop.
- Managed scrum calls amongst team members and clients.
- Gained knowledge about data management on remote servers. *Feb 2017 - Apr 2018*

## Software Skills:

Tranportation	Microsoft
<ul style="list-style-type: none"><li>• AV Simulation Scanner</li><li>• PTV Vissim</li><li>• MX Road</li><li>• QGIS</li></ul>	<ul style="list-style-type: none"><li>• Excel</li><li>• Word</li><li>• Powerpoint</li></ul>
Programming Languages & Database Management	
<ul style="list-style-type: none"><li>• Python</li><li>• C++</li></ul>	<ul style="list-style-type: none"><li>• MySQL</li><li>• Informatica PIM</li></ul>

## Language Proficiency

English *Native/ Bilingual*  
Hindi *Native/ Bilingual*  
Bangla *Native/ Bilingual*  
Spanish *Elementary*

## Hobbies & Extra-Curricular

Amateur Cook, Novice  
Photographer and Photo Editor,  
Badminton player, Tabla vaadak