

# Satyajit Tourani

tourani.satyajit@gmail.com | 9663603971

## EDUCATION

### MANIPAL UNIVERSITY

BTECH IN COMPUTER SCIENCE | AUG 2013 - MAY 2017

### IIIT, HYDERABAD

MS BY RESEARCH IN COMPUTER SCIENCE | AUG 2018 - DEC 2021

## COURSEWORK

### GRADUATE

Topics in Applied Optimization  
Introduction to Robotics  
Mobile Robotics  
Linear Control System  
Statistical Methods in AI

### UNDERGRADUATE

Operating Systems  
Data Structures  
Algorithms  
Computer Graphics

## SKILLS

### PROGRAMMING

Languages:  
Python • C++ • C  
Deep Learning Frameworks:  
Pytorch • Tensorflow • Keras

## EXPERIENCE AND RESPONSIBILITIES

### AMAZON DEVELOPMENT CENTER, HYDERABAD | SDE INTERN

FEB 2017 – JULY 2017 | Hyderabad, Telangana

Was part of the Amazon Indian GiftCard team. Built a system which is responsible for sending SMS to the end customer regarding various notifications (Use Cases: Expiry, Purchase, Redemption)

### RESEARCH INTERN @ IIIT, HYDERABAD | SCENE TEXT RECOGNITION USING CONVOLUTIONAL NEURAL NETWORKS

MAY 2015 - JULY 2015

Did a summer internship with the Robotics Research Center at IIIT Hyderabad. Trained a convolutional neural network capable of recognizing scene text. System to be used for road sign detection on an autonomous vehicle.

## ACHIEVEMENTS

### ACM ICPC 2015-2016 | TEAM HANDLE - TABLE43

Dec 2015 | Kolkata

Qualified for the ACM ICPC Regionals. Was a member of team table43 in the Asia Kolkata Onsite Regional. My team finished 39th in the final standings table.

### ACM ICPC 2016-2017 | TEAM HANDLE - TABLE43

Dec 2016 | Kolkata

Qualified for the ACM ICPC Regionals. Was a member of team table43 in Asia Kolkata Onsite Regional. My team finished 53rd in the final standings table

### TCS CODEVITA - 2016 | TEAM HANDLE - TABLE42

Participated in the annual coding competition held by TCS where more than 10000 teams participated and my team finished 6th in the Semi-Final round. Attended the CodeVita finals where my team finished in the top 15.

## PUBLICATIONS

1. Topological Mapping for Manhattan-like Repetitive Environments [↗](#)  
Sai Shubodh Puligilla\*, **Satyajit Tourani\***, Tushar Vaidya\*, Udit Singh Parihar\*, Ravi Kiran Sarvadevabhatla and K. Madhava Krishna  
**International Conference on Robotics and Automation (ICRA), France, 2020** [↗](#)
2. Early Bird: Loop Closures from Opposing Viewpoints for Perceptually-Aliased Indoor Environments [↗](#)  
**Satyajit Tourani\***, Dhagash Desai\*, Udit Singh Parihar\*, Sourav Garg, Ravi Kiran Sarvadevabhatla, Michael Milford and K. Madhava Krishna  
**International Conference on Computer Vision Theory and Applications (VISAPP), 2021** [↗](#)
3. RoRD: Rotation-Robust Descriptors and Orthographic Views for Local Feature Matching [↗](#)  
Udit Singh Parihar\*, Aniket Gujarathi\*, Kinal Mehta\*, **Satyajit Tourani\***, Sourav Garg, Michael Milford and K. Madhava Krishna  
**International Conference on Intelligent Robots and Systems (IROS), 2021** [↗](#)