

Bhavik Dhandhalya

CONTACT INFORMATION	Room 1117 Block A CVR Bhawan BITS, Pilani Pittsburgh, PA 15213 USA	<i>Mobile:</i> (+91) 942-787-3839 <i>Github:</i> github.com/BhavikDhandhalya <i>E-mail:</i> h20180118@pilani.bits-pilani.ac.in <i>WWW:</i> bhavikdhandhalya.github.io/bits
EDUCATION	Birla Institute of Technology & Science , Pilani, Rajasthan IND M.E., Computer Science, Aug 2018 (expected graduation date: July 2020) Charotar University of Science & Technology , Anand, Gujarat IND B.Tech, Computer Engineering, April, 2017	
WORK EXPERIENCE	CHARUSAT Space Research & Technology Center , Anand, Gujarat IND <i>Research Intern</i> Jan, 2017 - April, 2017 <ul style="list-style-type: none">- Project Title: Non-rigid Image Registration on Videos distorted by Atmospheric Turbulence- Applied and Analyzed algorithms such as CGI(Control Grid Interpolation), Lucas - Kanade, FRATAAS(First Register Then Average and Subtract) to remove Heat Scintillation.- Improvements were made on scene change and moving object recovery situations. [MATLAB]	
HONORS AND AWARDS	<ul style="list-style-type: none">- Participated in ACM ICPC Asia Kolkata Regional 2016-17.- Participated in ACM ICPC Asia Amritapuri Regional 2015-16.- Successfully Competed up to Semi-Final Round in TCS Codevita season 4 & 5 Competition.- Ranked 38th out of 800+ participants in CodeVaitam 2.0 on Codechef which was organized by NIT Agartala.- Ranked 1st in Code-e-thon event which was organized by ITM University - Baroda.- Ranked 1st(College) and Ranked 6th(Global) in Clash of Coder 4.0 Contest on HackerEarth which was organized by Our College.	
SELECTED PROJECTS	Zombie Hunt Game Jan, 2015 - April, 2015 <ul style="list-style-type: none">- Created this game where zombies follow the player using shortest path finding algorithm called A-Star(A*) algorithm.- Added weapon facilities to kill Zombies.[Pygame, python]	
SELECTED ASSIGNMENTS	Selective Repeat Protocol for File Transfer with Random Packet Drop-rate using UDP Packets Aug, 2018 <ul style="list-style-type: none">- Implemented Sliding Window protocol at both Sender & Receiver side.- Created Multi-threading functions for sending & Receiving UDP Packets at both Sender & Receiver side.	
EXTRA ACTIVITIES	<ul style="list-style-type: none">- Solved 400+ Algorithmic problems on Codeforces coding platform.- Completed 75% Algorithm section on HackerRank coding platform.- Created problems for Clash of Coder 1.0 coding event which was organized by CHARUSAT University.	
COMPUTER SKILLS	C, C++, Python, Java, Javascript, SQL, Bash	