Bhavik Dhandhalya

CONTACT INFORMATION	Room 1117 Block A CVR Bhawan BITS Pilani - 333031 Pilani, Rajasthan IND	*Mobile:* (+91) 942-787-3839 *Github:* github.com/BhavikDhandhalya *E-mail:* h20180118@pilani.bits-pilani.ac.in *WWW:* 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
- Secured 3rd Rank in Computer Engineering Dept. in 8th Semester.

WORK EXPERIENCE

CHARUSAT Space Research & Technology Center, Anand, Gujarat IND

Research Intern   **Jan, 2017 - April, 2017**
- 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

- Participated in ACM ICPC Asia Kolkata Regional 2016-17.
- Participated in ACM ICPC Asia Amritapuri Regional 2015-16.
- Secured All-India-Rank 491 in GATE 2018 Computer Science with 99.55 percentile.
- 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**
- 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**
- 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

- 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