Vinayakk **Garg**

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Education

Montfort Senior Secondary School	*New Delhi, India*
PCM WITH CS	*April 2003 – March 2017*
GPA: 9.42	
Bharati Vidyapeeth's College of Engineering	*New Delhi, India*
BTECH IN INFORMATION TECHNOLOGY	*August 2017 – Present*
GPA: 8.3	

Experience

DSC BVP *New Delhi*

TECHNICAL EXECUTIVE *May 2018 – Present*
- Part of the Core Team of 50
- Judged an intra-college Ideathon event with 20 participating teams.
- Mentored a group of 20 out of 300 student members for different technologies like robotics, web development, machine-learning.

GDG BVP *New Delhi*

STUDENT REPRESENTATIVE *October 2017 – April 2018*
- Selected out of 300+ student members after clearing an interview

Skills

Programming Languages:	Python, HTML, CSS, C, C++, Javascript
Web Frameworks:	Flask, Django
Robotics:	Arduino, Raspberry Pi, ROS
ML / AI:	Scikit-Learn, Tensorflow, Keras
GUI / Data Visaualisation:	Tkinter, Matplotlib
Version Control:	Git, Github

Projects

Lane Detection App *Python 3, OpenCV*

A LANE-LINES DETECTION SOFTWARE TO DETERMINE DRIVABLE AREAS FOR AUTONOMOUS ROBOTS. *github.com/vinayakkgarg/Lane-Detection-App*

Who's Cuter *Python 3, Keras (TF backend)*

A CATS VS DOGS CLASSIFIER WITH A TEST SET ACCURACY OF 81% ON A DATASET OF 8000 TRAINING IMAGES. *github.com/vinayakkgarg/whos-cuter*

Real Time Object Detection *Tensorflow, Python*

REAL TIME ALL AS WELL AS CUSTOM OBJECT DETECTION ON LIVE FEED FROM A USB WEBCAM ACHIEVING 15-20 FPS. *github.com/vinayakkgarg/real_time_OD*

ROS PacBot (ongoing) *ROS, Python*

GAZEBO SIMULATED ROBOTS PROGRAMMED TO PLAY THE PACMAN GAME BASED ON THE ROBOT OPERATING SYSTEM. *github.com/vinayakkgarg/ROS_PacBOT*

Award

August 2018	**Finalist: SKYHACK 2018**, Qualified for the Finals among the top 5 teams nationally for the Hackathon organised by the Chhattisgarh Government in Raipur. Developed an Android application with chatbot for automated critical information retrieval at time of natural calamity.	*AIC@36Inc*
October 2018	**Third: Hack@BVP 2.0**, Won the third position at BVCOE's Hackathon organised by CSE department. Developed a smart helmet with AI based Driver rating, Crash Detection, BLE Beacon based SOS notification etc.	*CSE DEPT, BVCOE*
October 2017, 2018	**Winner: Technovation at Innerve 2017, 2018**, Won the first position at IGDTUW's Techfest in the Ideathon event for two years consecutively.	*IGDTUW*