

Abhijeet Bhattacharya

Contact Information	Flat number 71 Vidya Vihar Rohini Sec-9 New Delhi, 110085 India	Contact : +91 8527801920 e-mail id : bhattacharya399@gmail.com github : https://github.com/Abhijeet399 Personal website - Click here
Education	Bharati Vidyaapeeth's College of Engineering B.Tech. in Electrical and Electronics	2017-Present CGPA 7.394/10
	DLDAV Pitampura, Class XII th	Jul. 2017 C.B.S.E, 90%
Experience	<ul style="list-style-type: none"> • Remote Research Intern Electrical Department, NIT AP Advisor: Dr. Sri Phani Krishna Karri • Summer Research Intern Swaayatt Robots, Bhopal • Project Intern Kausheleisen Company • Workshop Head Innovicon, AI Conference • Winter Intern CSIR-CEERI (NewDelhi) Advisor: Manoj Sharma • Technical Head WieHack, Women Hackathon • Trainee Embedded Systems, IQB Solutions, Delhi 	May 2020—Sept 2020 May 2019—August 2019 March 2019—April 2019 2 Feb 2019—3 Feb 2019 December 2018—Jan 2019 4 Oct. 2018 May 2018—Aug 2018
Positions of Responsibility	<ul style="list-style-type: none"> • R.A.U. Head (Robotics and Automation United Head) • Robotics Chapter Representative <ul style="list-style-type: none"> • Took workshops in College in programming concepts on Arduino/Raspberry, Image Processing and Robotics to 100+ students. 	June - Dec 2019 April 2018 - April 2019
Awards and Scholarships	<ul style="list-style-type: none"> • 1st runner up in Drones Ideathon I.I.T. Roorkee • Winner in the East-India's Largest Hackathon HACK-A-BIT organised by BIT-MESRA(URL: LINK-CLICK HERE) • Top 20 in eYantra - National Robotics Competition, IIT Bombay • Ranked 320 in IEEE XTreme Hackathon • Winner in the Rajasthan Digifest Hackathon 5.0 organised by Rajasthan Government.Award Ceremony (2:37:00) (URL: LINK)(URL: LINK)(URL: LINK) 	2019 2018 2018 2018 2017
Technical Projects	<ul style="list-style-type: none"> • "Remote Sensing, Satellite Imaging" Research project. • "Prediction of epileptic seizures using EEG signals using CNN+LSTM model" Research Project. • "Prediction of epileptic seizures using EEG signals using Transformer model" Research Project. • "Emotion Recognition" Using CNN to differentiate 5 emotions. 	2020 2020 2020 2019

	<ul style="list-style-type: none"> • “Image Segmentation from Space” Using CNN, VGG. 2019 • “Object Detection” Using YOLO, Mask-RCNN. 2019 • “Optical flow” Using Lucas Kanade method. 2019 • “Depth Mapping” Using pixel shift on two Cameras. 2019 • “Semantic Segmentation” for Indian Road data-sets 2019 • “CRF” for segmented images 2019 • “CARLA” For data-set collection for semantic segmentation 2019 • “Speech to words” on Raspberry-pi 2019 • “Nutty Squirrel” For Eyantra Competition 2019 • “Handy” An Integrated deaf and mute conversation smart alert system 2018 • “Venom” Snake-bot for disasters 2017 • “Attendance” Attendance based on bio-metric system 2018 • “Snakebot” A robot based on movement of snake. 2018 • “Many Robotic Cars” Using Arduino, Bluetooth, Mobile. 2017 • “Home Automation” Using Arduino, ESP. 2017
Publications	<ul style="list-style-type: none"> • A. Bhattacharya, T. Baweja, Dr SPK Karri 2020, “Epileptic seizure prediction using deep transformer model” Int. J. Neural Syst. Under Review. • A. Bhattacharya, T. Baweja, S. Garg 2020, “Automatic Seizure Prediction using CNN and LSTM” Neural Networks. Under Review. • A. Bhattacharya, T. Baweja 2020, “Clear-View: A dataset for missing data in RemoteSensing Images.” IEEE 19th World Symposium on Applied Machine Intelligence and Informatics Under Review.
Skills and Tools	<p>Technologies : Machine Learning, Deep Learning, Computer Vision, Image Processing, Linear Algebra, Probabilistic Analysis, Micro-controllers and processors</p> <p>Languages : English, Hindi, Bengali (Spoken).</p> <p>Programming Languages : C/C++, Embedded C, Python, MAT-LAB, Open-CV, LaTeX</p> <p>Softwares : Blender, Vrep, Proteus, XCTU, AVR Studios, Atmel Studios, Adobe Photoshop.</p>
References	<ul style="list-style-type: none"> • Dr. Sri Phani Krishna Karri Asst Prof - E.E NIT, AP Email: phani.moresmiles@gmail.com • SANJEEV SHARMA CEO of Swaayatt Robots Email: sanjeevsharma@swaayatt-robots.com • Dr. KUSUM THARANI HoD, E.E.E. dept. BVCOE Email: kusum.tharani@bharativedyapeeth.edu • SANDEEP BANERJEE Asst Prof- E.E.E. BVCOE Email: sandeepbanerjee25@gmail.com