Chetan Chawla

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EDUCATION

Bharati Vidyapeeth's College Of Engineering, New Delhi
Undergraduate, Electronics & Communication Engineering • 89.4%
• 2015-2019 • Best Student Award

Kendriya Vidyalaya Tagore Garden, New Delhi
AISSCE, CBSE Board (XII) • 95%
• Positioned in top 1.5% KVS India

LINKS

sites.google.com/view/chetanchawla
linkedin.com/in/chetan-chawla
github.com/chetanchawla

COURSEWORK

Trainee: IIT Delhi (12/17-01/18)

- Neural Networks (MLPs, CNNs, RNNs, RCNN)
- Music Generation
- Image Processing & Computer Vision

Trainee: Cyborg labs (06/16-07/16)

- Robotics & Embedded Systems

LEADERSHIP EXP

- Vice-Chairperson, IEEE (BVP)
- Conference Chair, InnoviCon 2019
- Organizer, WIEHack 2018
- Head-Aagaaz BVCOE Music Society
- Head, Robotics & Automation Society
- Sponsorship Head at PyData Delhi'19

AWARDS

• Project Champions Award 2019, ZS
• JK Pal Memorial- Best Student Award, IEEE Delhi Section (R10)
• Runner Ups: eYantra Robotics Competition 2016(CSE, IIT Bombay)
• 1st position- Evotech 2018
• 1st position- Wheelectrifying (Cognizance 2019, IIT Roorkee)

PROGRAMMING

Proficient
• Python • C • Embedded C/Arduino
• Blender • Android • SQL • ROS

Mediocre
• XML • MATLAB • Assembly • OpenCV
• Tensorflow • Keras • Lua • VHDL • TCL
• Tableau

Familiar
• C++ • Java • Shell-scripting

EXPERIENCE

ZS ASSOCIATES | Business Technology Analyst
06/19-Current | New Delhi

- Development of end-to-end systems for alignment of sales to medical representatives using heterogeneous data sources
- Enhancements and automation of monthly incentive compensation systems using Unix and Python scripting

IIT DELHI | Summer Research Intern
06/18 – 08/18 | New Delhi

- Research and development of pedestrian trajectory prediction methodologies and optimization of multi-object tracking algorithms for dynamic vehicle-dashboard cameras, with Dr.Brejesh Lall (Head, EE Dept, IIT-D)

CELESTINI PROJECT INDIA | Project Intern
06/17 - 07/17 | Marconi Society & IIT Delhi

- Prototyping and creating test-bed for a low latency collaborative driver assistance system to prevent on-road collisions using real-time networking of sensory data from vehicles
- Awarded Paul Baran Young Scholar Celestini Prize India 2017 by Dr.Robert Tkach (Vice-chairman, Marconi Soc.) & Dr.Aakanksha Chowdhery (Google Brain, Tensorflow)

RESEARCH

ADVANCE DRIVER ASSISTANCE SYSTEMS FOR INDIAN ROAD SCENARIOS Duration: 04/2017-10/2018

- Poster in 23rd Conference ACM MobiCom (2017) - Drizy: A Collaborative Driver Assistance System for Vehicle-to-Vehicle and Vehicle-to-Pedestrian Collision avoidance modules
- Creating and benchmarking an Indian road detection and tracking dataset (50,000 annotated frames, 7 classes, occlusion information)

AQUACOM: UNDERWATER VISIBLE LIGHT COMMUNICATION (2738 PUBLISHING NUMBER)
I. Janveja, C. Chawla, N. Garg, J. Parikh
Designing and testing a low cost portable wireless transceiver for underwater communication using VLC. The paper was accepted in Indiacom 2018

PROJECTS

- (04/19) | Autonomous drone traversal in constraint paths
- (03/19) | Dronalyser: Agricultural-Analyser Drone System
- (03/19) | Meishu: Real-time networking based rescue system
- (09/18) | FOS: Fire SOS and evacuation assistance system
- (04/18) | Video advertisements effectiveness: audio module
- (01/18) | Music Generation Using Deep Learning
- (03/17) | ATmega2560 UGVs swarming and path planning
- (02/17) | Real-time Planet terrain analyzing & modelling

TECHNOLOGIES

• Deep Learning & ML • Comp. Vision • Robotics & Networking • UAV & UGV path planning • Data ETL • RPA • Serial Communication • Android Development • Signal Processing • 3D Modelling & Simulation