ABHAY CHARAN

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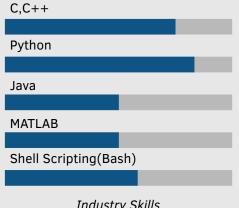
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Objective -

To apply and expand my knowledge and skill set in a demanding environment which allows me to enhance and develop my all-round skills and abilities.

Techincal Skills —

Programming Languages



Industry Skills

Machine Learning

Deep Learning

Web Development

Robotics

Web Development[HTML,CSS,Basic JavaScript, Jquery, Django, Symfony

Other Skills

fMRI & EEG Research

Cognitive Sciences & Brain Psychology

LaTeX

ROS,V-rep

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

B.Tech in Computer Engineering JAMIA MILLIA ISLAMIA

12th AND 10th KENDRIYA VIDYALAYA JANAK PURI 7.79/10(Upto 6th Sem) 2015-2019(expected) 87.4% and 9.4/10

2014 and 2012

Awards and Achievements

December 2018 Co-Author for paper titled "Modulation of frontal and parietal

alpha underpinning during moderate and high cognitive loading:EEG informed fmri analysis" sent to 25th NMRS

Conference(Oral Accepted).

August 2018 Co-Author for paper on Reconfiguration of Resting State Net-

> works and resting EEG Microstates sent to 5th Annual Conference of Association for Cognitive Sciences(Oral Accepted),pp. 16-18.

March 2018 3rd position holder (National) in E-yantra Robotics

Competition(IIT BOMBAY) in Autonomous Chaser Drone theme.

April 2018 Participated in Smart India Hackathon 2018 Grand Finale in

> project of Ship Trajectory's Anomaly Detection as Team Leader. Silver medal in International Mathematics Olympiad by Amity

University.

Experience and Projects

Minor Project

May 2014

7th Sem (July 2018-December 2018)

- · "Text Recognition and its Image Generation using Generative Models"
- · Used Tesseract-OCR and Skipthought Vectors for text extraction and vector encod-
- · Used Generative Adversarial Networks based on DCGAN as Generative Model.

Institute of Nuclear Medicine & Allied Sciences, DRDO

June 2018 - July 2018

Intern

- · Worked on evaluation of different Machine Learning models for EEG Microstates
- · Learned about fMRI,EEG, simultaneous EEG-fMRI and their processing.
- · Made automated scripts for EEG processing through standard tools.
- · Helped other trainees in their projects related to Deep Learning.
- · Working on drafting a paper on a different approach to EEG microstates estimation.

Cortex Logic(South African Startup) Web User Interface Developer(Remote) October 2017 - October 2017

- · Worked in a team of 3 people for an AI Search Tool Project
- Connected the back-end application to front-end using MongoDB and Django where front-end was designed in Django Template Language(DTL).

The Student Hub(South African Startup) System Developer(Remote)

July 2017 - August 2017

- Worked on building an educational platform (www.eraonline.co.za)
- · Used Symfony framework, MYSQL and many core web development tools.
- Added many features in the project like automatic E-Mail/SMS sender whenever professor publishes new test. Fixed many previous bugs.

Extra-curricular Activities

- Volunteer for Brain Research Experiments at INMAS.
- · Basketball (Runner-ups) (4th sem) in Inter-department college competition.
- · Freestyle Football
- Penning Quotes and Poems