ABHAY CHARAN

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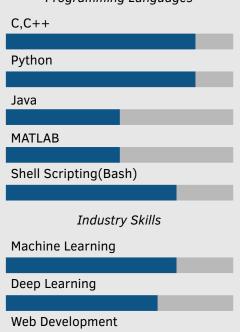
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Objective

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

C,C++

Python

Java

MATLAB

Shell Scripting(Bash)

Industry Skills

Machine Learning

Deep Learning

Web Development

Robotics

Basics of Ethical Hacking & Pentesting

Other Skills

EEG

fMRI

Cognitive Sciences & Brain Psychology

LaTeX

ROS

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

Education

B.Tech in Computer Engineering	7.79/10(Upto 6th Sem)
JAMIA MILLIA ISLAMIA	2015-2019(expected)
12th AND 10th	87.4% and 9.4/10
KENDRIYA VIDYALAYA JANAK PURI	2014 and 2012

Awards and Achievements

August 2018   Co-Author for paper on Reconfiguration of Resting State Networks and resting EEG Microstates sent to 5th Annual Conference of Association for Cognitive Sciences(Accepted).

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.

May 2014   Silver medal in International Mathematics Olympiad by Amity University.

Experience and Projects

Institute of Nuclear Medicine & Allied Sciences, DRDO   June 2018 - July 2018
Intern

- Worked on evaluation of different Machine Learning models for EEG Microstates Estimation.
- 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)   October 2017 - October 2017
Web User Interface Developer(Remote)

- 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)   July 2017 - August 2017
System Developer(Remote)

- 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.
- Recieved praises from the founder for quality work under strict deadline.

Extra-curricular Activities

- Volunteer for Brain Research Experiments at INMAS.
- Basketball (Runner-ups) (4th sem) in Inter-department college competition.
- Freestyle Football
- Penning Quotes
- Basic Spanish Language(Learning).