CONTACT

LOKENDRA CHOUDHARY
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EDUCATION

IIT KANPUR
DUAL(BT-MT) IN MECHANICAL
ENGINEERING
Dec 2019
Masters CGPA: 8.0/10.0
Bachelors CGPA 6.6/10.0

XII (CBSE)
April 2014
Score: 94.2%

X (CBSE)
April 2012
Score: 9.8/10.0

LINKS

Github:// **lokendrachoudhary**
LinkedIn:// **lokendra100**
Facebook:// **lokendra100**
Twitter:// **@lokendra_loki**
Quora:// **Lokendra-Choudhary**

COURSEWORK

COURSES
Neural Networks
Machine Learning*
Data Analytics*

Introduction to Economics
Macroeconomics-I
Economic Growth Theory

Mechatronics
Probablistic Mobile Robotics
Robot Motion Planning
Root Manipulators

SKILLS

LANGUAGE
Python • C • C++
MySQL • HTML • CSS

TOOLS
MATLAB • Keras • NumPy • Pandas
Jupyter • Linux • ROS • LaTeX

DESIGN
AutoCAD • Autodesk Inventor

EXPERIENCE

SUMMER INTERN | CGP PVT.LTD.
May 2017 – July 2017 | Mr. Sudarshan Karweer, VP Innovation | Mumbai
- Conducted market research on Indian Real-estate market.
- Identified key pain points faced by buyer and seller
- Determined features to be included in initial and advanced version of portal

PRESIDENT | ASSOCIATION OF MECHANICAL ENGINEERS
July 2016 – June 2017 | IIT Kanpur
- Headed 15 member council, responsible for organizing yearlong activities of department involving total budget of INR 5 Lakhs

TEACHING ASSISTANT | IIT KANPUR
- ME251A - Engineering Design and Graphics   July 2018 - Nov 2018
- TA101A - Engineering Graphics   Jan 2019 - April 2019

PROJECT

Q-LEARNING IN GAMING
Jan 2017 – April 2017 | Dr. Laximadhar Behera | IIT Kanpur
- Developed a game environment with an intelligent agent which could avoid collision with other moving agents
- Used -Learning, a special type of Reinforcement Learning for bot training

HS BASED ALGORITHMS FOR ROBOT LOCALIZATION
July 2016 – November 2016 | Dr. Gaurav Pandey, | IIT Kanpur
- Implemented research paper - "A novel efficient algorithm for mobile robot localization", Robotics and Autonomous Systems 61.9 (2013): 920-931
- Successfully implemented Harmonic Search(HS) algorithm with SLAM

Other non-academic coding projects on lokendrachoudhary.github.io

RESEARCH

THESIS WORK | MECHATRONICS LAB
May 2018 – Nov 2019 | Dr. Ashish Dutta, Dr. Anupam Saxena | IIT Kanpur
- Worked on "Design of a Compliant Hand Exoskeleton for Rehabilitation"
- Designed and prototyped a novel hand exoskeleton which uses compliance to improve safety, force control and grasping capabilities of the exoskeleton
- Implemented user intent based based Pneumatic control for actuation of exoskeleton

SCHOLASTIC ACHIEVEMENTS

- Recipient of Merit-Cum-Means(MCM) scholarship at IIT Kanpur
- Secured an AIR 3519 in JEE Advanced 2014 from a pool of 150K candidates
- Ranked among top 0.5% in JEE Mains 2014 among 1.3 million candidates
- Secured international rank 741 and state rank 56 in IMO 2013

EXTRA-CURRICULAR ACTIVITIES

- Avid follower of new technologies, their potential applications and Startups
- Ran Lucknow Heritage Half Marathon on 3rd March 2019