

CONTACT

LOKENDRA CHOUDHARY

lokendra.bhambhu@gmail.com

lokendrachoudhary.github.io

+91-7755057625

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*

Deep Learning*

Introduction to Economics

Macroeconomics-I

Economic Growth Theory

Mechatronics

Probabilistic 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

STUDENT GUIDE | COUNSELLING SERVICE

July 2015 – May 2016 | IIT Kanpur

- Helped new batch students in acclimatizing to the institutes new environment
- Enthusiastically worked for smooth conduction of Orientation Program 2015

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 Q-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