

Shubhamkumar Pandey

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY MANDI

BTECH, ELECTRICAL ENGINEERING
2018 - 2022 | Mandi, Himachal Pradesh

GSHSEB

2016-2018 | Ahmedabad, Gujarat, India
SSC | Score : 89.33, Percentile : 99.5
HSC | Score : 85, Percentile : 97.4

LINKS

LinkedIn:// [shubhampandey28](#)
Github:// [ShubhamPandey28](#)
Kaggle:// [shubhampandey27](#)
Gitlab:// [ShubhamPandey28](#)

COURSEWORK

IIT MANDI

Introduction to Communicating Distributed Processes (CS 310)
Data Structures and Algorithms (CS 202)
Pattern Recognition (CS 669)
Information Database Systems (CS 309)
Computer Organisation (CS 201)
Machine Learning (IC 272)
Probability And Statistics (IC 252)
Linear Algebra (IC 111)
Calculus (IC 110)

OTHERS

Cloud computing basics (Coursera)
Keras DCGAN (Coursera)
Linux kernel (LFD103 Linux Foundation)

SKILLS

PROGRAMMING LANGUAGES

Python • C • C++ • JavaScript

TOOLS

fish • bash • git • VSCode

TECHNOLOGIES

Linux • MySQL • NodeJS • Flask • Tensorflow

INTERESTS

Data structures • Algorithm • Mathematics • Linux • Machine Learning • Deep Learning • Cloud Computing • Databases

COMPETITIVE DATASCIENCE

INTER-IIT TECHNICAL MEET 2019 IIT Roorkee

Won bronze medal for IIT Mandi in data science challenge competing with other 22 IITs. It was a 2 round contest in which 1st round was max prediction accuracy with given metrics and 2nd round was data analysis project for the given data.

SOFTBANK FOREX ALGORITHM CHALLENGE [link](#)

Developed an exchange position transaction and management algorithm using machine learning. Stood 4th ending up with prediction accuracy of 0.988 while first place accuracy was 0.989.

PROJECTS

GENERATIVE-MODELS [link](#)

Implementation of various Generative deep learning algorithms using tensorflow. DCGAN, CycleGAN, Adversarial-FGSM have been implemented. The CycleGAN is trained using tensorflow training strategy for TPU over data in tfrecord format.

QUIZAR [link](#)

An online Quizzing platform on OS. There is an command line interface for the client which is connect to server with C++ socket. A course project in course CS310.

TRANSPORT MANAGEMENT SYSTEM [server-link](#) [gui-link](#)

Made a transport handling system for a transport company. Deployed the server as REST API using flask and MySQL database. And GUI is made with PyQt using this API and making a running app.

MLLOGGER [link](#)

A user project workload virtualization manager from which you can manage which project is going on which location in user's system. Future goals include efficient sharing method to share results of the project with other users.
Made using python, click, mysql

2PHASE-LOCKING-PROTOCOL

Implementation of Rigorous 2 phase locking protocol using C++ as an assignment for course CS310 (Communicating Distributed Processes).

FILESERVER [link](#)

A NodeJS server which stores files in mongodb using gridfs stream with names encrypted.

ACHEIVEMENTS

2020	176 th /720	International Data Science Olympiad 2020, IDAO
2020	536 th /3497	2019 Data Science Bowl, kaggle
2019	3 rd	Astrax Enigma 2019, IIT Mandi
2018	6163 th	JEE Advanced 2018, Scoring 150/360

EXTRA CURRICULUM

NATIONAL CADET CORP (ARMY WING) 2013 - 2015 | Gujarat

Rank : Cadet, unit '2 Guj Indep Coy NCC, Gandhinagar.
[link](#)