Utpal Gupta

Pre-Final Year(B.Tech)
Computer Science & Engineering
Indian Institute of Technology (IIT) Jodhpur
Mob.: +91-6265045107

Email.: gupta.27@iitj.ac.in
Web.: http://utpal-gupta58.github.io/
GitHub.: https://github.com/utpal-gupta58
Codechef.: https://www.codechef.com/users/utpal_gupta
LinkedIn.: https://www.linkedin.com/in/utpal-gupta-92a200180

Education

IIT JODHPUR
B.TECH. IN COMPUTER SCIENCE
MAY-2022(EXPECTED) |Jodhpur,India
CGPA : 7.23/10(till 5th semester)

RAMAKRISHNA SCHOOL
2017-2018 |GWALIOR
HIGHER SECONDARY(CBSE)
Percentage: 92.4%

JAWAHAR NAVODAYA VIDHYALAYA
2015-2016 |TIKAMGARH
SECONDARY(CBSE)
CGPA: 10/10

Skills

LANGUAGES
Proficient(5000 LOC)- C/C++, Python
Intermediate(1000 LOC)- HTML, CSS,Javascript
Familiar(<300 LOC):Solidity,Matlab

MACHINE LEARNING TOOLS
Tensorflow, Keras, Scikit, OpenCV,Pandas, NLTK, Gensim

OTHERS:
Git, Public Speaking, MySQL, Software testing, VueJs, Django, Redis,NodeJs

OS
GNU/Linux, Windows

Coursework

UNDERGRADUATE COURSES
Data Structures
Object Oriented Analysis Design
Software Engineering
Database Management System
Computer Networks
Computer Organization and Architecture
Theory of Computation
Probability and Statistics,
ADDITIONAL COURSES

Machine Learning
Android App-Development*
ongoing courses are marked *

Technical Projects

MEETBOARD |AN INTERACTIVE WHITEBOARD FOR GOOGLE MEET
DEC 2020-FEB 2020 | **Guide: Dr. Ravi Bhandari** |Extension->|App->
- In-page whiteboard for real-time video conferences on google meet
- Used Redis to keep track to every stroke
- Draggable modal with a whiteboard mounted on it
- **Technologies and tools:-** Vue,Electron,HTML,CSS,Socketio,NodeJS,Browser Extension, Redis

TWIHASH |TWITTER'S FUTURE TRENDING HASHTAG PREDICTOR
FEB 2020-JULY 2020 |**B.Tech Project**| **Guide: Dr. Suman Kundu** |github->
- Developed an API for predicting twitter's future trending hashtags
- Meta keywords in online news platforms were scraped
- **Technologies and tools:-** Python, BeautifulSoup, Pandas, k-means clustering, WordCloud

AUTOPARKER |PARKING MANAGEMENT SYSTEM FOR IIT JODHPUR
AUG 2019-NOV 2019 |**Course Project**| **Guide: Dr. Anand Mishra** |github->
- Developed a management system in C++ using Object Oriented Programming concepts
- Developed a backend to maintain a ledger of vehicle's number,size,parking lot,automatic bill calculation and bill generation
- **Technologies and tools:-** C++, conio.h, Huffman Encoding

SCRABBLEAI |ARTIFICIALLY INTELLIGENT SCRABBLE PLAYER
SEPT 2020-NOV 2020 |**Course Project**| **Guide: Dr. Yashaswi Verma**
- program that lets you play Scrabble against a computer opponent
- **Technologies and tools:-** Python,PyGame, AI algorithms,Heuristics

UNCANNY |IMAGE CLASSIFICATION OF EDGE DETECTED IMAGES
AUG 2019-NOV 2019 |**Course Project**| **Guide: Dr. Rajlaxmi Chouhan**
- Performed image classification on edge detected images and original images
- Accuracy of the model achieved was 83.2% for Edge detected and 85% for normal images
- **Technologies and tools:-** Tensorflow, Keras, CNN, Canny Edge Detection

Achievements/Awards

- Competed against **10,43,000** students in JEE-2018 to secure a rank of **2874**
- Represented **IIT jodhpur** in **Dramatics** in **Inter-IIT Cultural Meet** in 2018 and 2019, team was ranked 4th in theatre competition among 21 teams

Positions of Responsibility

STUDENT GUIDE |COUNSELLING SERVICES|AUG 2019-PRESENT
- Organized a 7 day long **Orientation Programme** for the new batch of students(-2023).Worked with **39 Student Guides** and **mentored 10 first year students** .

VICE-CAPTAIN |DRAMATICS SOCIETY|AUG 2019-MAY 2020
- Led dramatics team in Inter-IIT 2019