Muskan Agrawal

Computer Science and Engineering | IIT Jodhpur
agrawal.9@iitj.ac.in | +91-8709140869

EDUCATION

IIT JODHPUR
B.Tech in Computer Science and Engineering
2018-2022 | Jodhpur, India
CGPA 7.14/10 (Upto 4th Sem)

LITERA VALLEY ZEE SCHOOL
CBSE | Class 12
Patna, India
Percentage: 90.8

LITERA VALLEY ZEE SCHOOL
Class 10
Patna, India
CGPA : 10/10

SKILLS

LANGUAGES
• C • C++
• MATLAB
Web Design:
• HTML • CSS • Bootstrap
Familiar:
• Javascript
• Python

DEVELOPMENT:
• NodeJS
Database:
• MongoDB (Using Mongoose)
Familiar:
• SQL

HOBBIES:
• Writing Poems
• Basketball

COURSEWORK

Object Oriented Analysis and Design
Software Engineering
Data Structures and Algorithms
Discrete Mathematics
Theory of Computation
Computer Organisation and Architecture
Probability and Statistics
Web-Development Course**
*Ongoing & **Online*

LINKS

Github:// **muskanagrawal10**
LinkedIn:// **muskan-agrawal**
Personal
Email://**muskanagrawal46@gmail.com**

PROJECTS

CAMERA TAMPERING DETECTION
Dr. Chiranjoy Chattopadhyay | IIT Jodhpur | Dec 2020 - Present
- Detection of tampering of video surveillance caused by occlusion, defocus or camera motion.
- Presently working with signal activity analysis of the frames of video.

CONTROL LAPTOP MOUSE VIA ANDROID PHONE
Dr. Ravi Bhandari | IIT Jodhpur | OCT 2020 - NOV 2020
- User can control mouse movements of the laptop using his/her android phone's screen.
- Created server using python and client using java.
- Used android studio to develop the mobile application.

ENHANCING & INPAINTING OF SURFACE DEFECT
Dr. Chiranjoy Chattopadhyay | IIT Jodhpur | Feb 2020 - June 2020
- Used image processing tools to identify surface defect and enhance the captured images during manufacturing process.
- Used inpainting in MATLAB to join the curves on the surface.

PERSONAL BLOG
Self Project | Link to Blog | August-2020
- Created a web application to present self written poems.
- Used NodeJS to build it and heroku for deployment.
- Used MongoDB for database management.

FACE DETECTION SYSTEM
Dr. Rajlaxmi Chouhan | IIT Jodhpur | Aug 2019 - Nov 2019
- Learned and implemented basics of image processing including convolution, rgb to gray scale conversion using Python.
- Used Cascade Classifiers to detect faces.

INTERFACE FOR FREELANCING
Dr. Anand Mishra | IIT Jodhpur | Aug 2019 - Nov 2019
- An interface for freelancers and recruiters, for easy bidding and recruitment.
- Used C++ to build the interface.

EXPERIENCE

• Practice and Compete on various competitive coding websites like Codechef, Hackerrank, Interviewbit etc.
• Represented IIT Jodhpur in the 53rd and 54th Inter-IIT Sports Meet held at IIT Guwahati and IIT Kharagpur respectively, as a member of Basketball team.
• Anchoring in Antarang, fashion show organised by IIT Jodhpur in IGNUS 2020.

EXTRACURRICULAR

• Head of English Poetry and Story Club of Literature Society of IIT Jodhpur
• Received second prize in online poetry competition held by Literature Club of IIT Jodhpur.
• Conducted Literature Events at IGNUS 2019 & 2020.
• Been part of Creativity Team of IGNUS 2019