Kartik Vyas

Computer Science and Engineering Sophomre| IIT Jodhpur
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EDUCATION

IIT JODHPUR
B.Tech in Computer Science and Engineering
May 2022
Cum. GPA: 8.16 / 10

Blue Heaven Vidyalaya
XII: 88 Percent
Seedling Modern High School
X: 9.8 CGPA

SKILLS

COMPETENCE
• Competitive Programming
• Mobile App Development
• Front End Developer

LANGUAGES
Over 10000 lines:
• C++
• C
Over 2000 lines:
• Python
• JavaScript
• HTML
• CSS
Familiar:
• Matlab
• Latex
• Node
Frameworks:
• React Native
• Bootstrap

OTHER SKILLS
• Content Writing
• Public Speaker

COURSEWORK

• Data Structures And Algorithms
• Discrete Mathematics
• Software Engineering
• Theory Of Computation
• Computer Organization and Architecture
• Calculus and Linear Algebra
• Complex Analysis and Differential Equation
• Probability, Statistics and Random Processes
• Principles of Management
• Digital Logic and Design
• Signal and Systems

PROJECTS

AUTOMATIC ANSWER GRADER
Under the guidance of Dr. Anand Mishra
Jan 2020 – Present

Image Processing :
• Worked on image processing algorithms and built a python script capable of grading OMR sheets

Cross Platform Mobile App :
• Built a cross platform mobile app using React Native which allows the user to grade OMR sheets by uploading pictures of the answer sheets

IITJ HEALTH CENTER MANAGEMENT
Under the guidance of Dr. Anand Mishra
Sept 2019 – Dec 2019
• Course project for Object Oriented Analysis Design
• Automized the functioning of health center of IIT Jodhpur
• The aim was to maintain coordination between different departments/classes and to prevent delays in the necessary formalities.

SYMPHONY- AUDIO SIGNAL PROCESSING
Under the guidance of Dr. Rajlaxmi Chouhan
Sept 2019 – Nov 2019
• Course project for Signals and Systems
• Compared the similarity of a music composition to the original composition
• Worked on the concepts of Fast Fourier Transform (FFT), Short Term Fourier Transform (STFT) to find the extent of similarity based on different parameters

ACHIEVEMENTS

• Successfully competed with 10,43,000 eligible students in Joint Entrance Examination 2018 to secure a rank of 2929
• Position Holder of Student Guide at Counselling Service
    • Mentor of nine students and have the responsibility of guiding them in any problem they might face and in their overall well being
    • Helped in registration process of over 350 students
• Secured international rank 27 in SOF International Mathematics Olympiad
• Rated 4 star coder [Division 1] at Codechef with highest rating of 1917
• Global rank 182 in Codechef May Cook-Off 2020 Division 2
• Global rank 271 in Codechef January Long Challenge 2020 Division 2 among 12981 participants

EXTRA-CURRICULAR

• Active Member of Literature Club, IIT Jodhpur
• Active Member of Entrepreneurship Cell, IIT Jodhpur
• Coordinated IdeaSpark 2019 events, Annual Entrepreneurship Fest, IIT Jodhpur
• Represented IIT Jodhpur in Parliamentary Debate at InterIIT Cultural Meet 2018

LINKS

• LinkedIn:// **Kartik Vyas**
• Github:// **vyaskartik20**
• Codechef:// **dare20**
• Quora:// **Kartik Vyas**