Yashvi Ramanuj

Pre-Final Year (B. Tech.) | Computer Science and Engineering | IIT Jodhpur
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EDUCATION

IIT JODHPUR
B.Tech in Computer Science and Engineering
May 2022 [expected]
CGPA: 7.37 / 10 [Till Apr. 2021]

DHOLAKIYA SCHOOLS
GSEB | Rajkot, India
XII[2018]: 99.66 PR
X[2016]: 99.99 PR

COURSEWORK

UNDERGRADUATE
Artificial Intelligence
Database Systems
Data Communication
Computer Networks
Software Engineering
Theory Of Computation
Computer Organisation and Architecture
Object Oriented Analysis and Design
Algorithm Design and Analysis
Data Structure and Algorithms
Probability, Statistics and Random Processes

SKILLS

LANGUAGES
• Python • C++ • C
• Dart • HTML • CSS

WEB
• Django • REST
• Bootstrap • SQL
• NodeJS

OTHER SKILLS
• OpenCV • Image Processing
• Git • Latex • Shell

LINKS

GitHub:// YashviRamanuj ⤤
LinkedIn:// yashvi-ramanuj ⤤
Website: yashviramanuj.github.io/ ⤤

ACHIEVEMENTS

• Qualified among top 1% of JEE-18, among 1 million students
• Successfully cleared TST-2015 with 99.55 PR

EXPERIENCE

WINTER OF CODE | Mentor
Jan 2021 – Mar 2021 | Maintainer | GitHub ⤤
- Mentored a team of 8 developers working on an inventory for student's gymkhana of IITJ that takes care of all the transactions of all shared equipment
- Led the project's backend team and reviewed the code for REST API Endpoints for the project features, working on adoption of the system by the institute

GEEKROADS RETAIL LLP | Summer Internship
June 2020 – August 2020 | Full Stack Web Development
- Implemented functionalities like displaying content considering user preferences in multiple languages, user management, admin interface for a fully functional e-commerce platform in food tech space serving Nordic countries
- Other key features of the Django backed portal are various tasks related to order management, integrating secure online payment options etc.

PROJECTS

COLLABORATIVE ML USING BLOCKCHAIN TO PREDICT ACCIDENTS SEVERITY | B. Tech. project
ML, Solidity, React JS | Mentor: Dr Debasis Das
- Developing an accident severity predictor that initializes a simple ML model on a blockchain and it trains the model based on data submitted by participants
- Performance of the global model can also be updated by using trained model submitted and implemented an incentive mechanism to reward participants

HOSPITAL MANAGEMENT SYSTEM | Health Center IIT Jodhpur
Django, HTML, CSS, JS | Mentor: Dr Anand Mishra | Website: hc.iitj.ac.in ⤤
- Developed a website for Health Center of IIT Jodhpur that streamlines appointments, enables online appointment and facilitates telemedicine
- Includes features like e-prescription, maintaining an encrypted medical database for patients, making the Health Center paperless

AUTHENTICATION MODULE | Course Project
NodeJS, OAuth | Prof Suman Kundu | GitHub ⤤
- Developed OAuth/Open-ID based authentication portal using NodeJS
- Can be used by other interfaces to enable secure user login via LDAP

EYES DETECTION, PUPIL TRACKING | semi autonomous car
Python, OpenCV | GitHub ⤤
- Developed a highly effective algorithm to track inactivity of a vehicle's driver
- The algorithm accurately detects the gaze of the driver by tracking eyes and pupils and shifts the control to an ML algorithm on detecting inactivity

POSITION OF RESPONSIBILITY

2020-21 **SENATE NOMINEE** Student Senate, IIT Jodhpur
2020-21 **ASSISTANT HEAD** Student Wellbeing Committee, IIT Jodhpur
2019-20 **STUDENT GUIDE** Counselling Services, IIT Jodhpur

ACTIVITIES

- Mentored projects in Winter of Code -2021 @devlup-labs ⤤
- Core member of Entrepreneurship Cell, IIT Jodhpur
- Assistant Head of Creativity and Design Team at IITJ's annual socio-cultural fest Ignus '20
- Represented IIT Jodhpur at 2 of inter-IIT cult meets for Nukkad Natak