Ankit Kumar

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EDUCATION

IIT JODHPUR
B. Tech in Computer Science and Engineering
Expected May 2019 | Jodhpur, India
Ongoing

KLA BAL VIDYA MANDIR(CBSE)
CLASS XII Non-Medicals
Grad. May 2015 | Jalaun, India
Percentage: 86.2 %

J. N. V. Lalitpur
CLASS X
Grad. May 2013 | Lalitpur, India
CGPA: 9.4

COURSEWORK

Computation
Database Systems
Operating System
Machine Learning
Pattern Recognition
Artificial Intelligence
Software Engineering
Data Communication
Computer Networks
Data Structures and Algorithms
Algorithm Design and Analysis
Object Oriented Analysis and Design

Mathematics
Compiler Design
Stochastic Calculus
Financial Engineering
Computational Geometry
Theory of Computation
Probability and Statistics
Linear Algebra and Calculus

SKILLS

Languages
C++, Python, JavaScript

Development Tools
OpenCV, Django, ReactJS
Tkinter, MongoDB, Bootstrap
HTML, CSS, Git, SQL

Operating System
Linux, Windows

EXTRACURRICULAR

AQUATICS: Represented IIT JODHPUR in 51st Inter-IIT Aquatic Meet
DRAMA: Represented IIT JODHPUR in 1st & 2nd Inter IIT CULTURAL MEET
Hackerank: kka_11

EXPERIENCE

Vawsum Schools Pvt Ltd | Software Developer Intern Summer 2018
- ERP Modules
  Facilitated library, inventory & leave management for clients
  Worked on JavaScript for integrating the APIs
- Vawsum Chatbot
  Worked on automated user specific chatbot for both parents and students
  Implemented using REST API of IBM Watson and MySQL database
  Chatbot counselling was prominently done for this

JS Tigers | Software Developer Intern Nov 2018 - Jan 2019
- Developed a software for Transmodal Analytics(Providing International Logistics Solutions for 45 Years)
- Software is used for handling reports generated based on the data
- Developed in ReactJS and NodeJS

PROJECTS

Parsing Tables in Handwritten Documents Aug 2018 - Dec 2018 🔗
Guide: Dr. Gaurav Harit
- Detection of table in handwritten documents and get content of the table
- Image transformation is applied in order to separate the blank space with text region and then it is feeded into Faster-RCNN(RPN and Detection network)
- UNLV Dataset is used with self-collected images of tables

Video Analytics of Crowded Scenes Jan 2017 - Apr 2017 🔗
Guide: Dr. Gaurav Harit
- Measuring the crowd density by counting the number of people entering and exiting through an imaginary line in a given crowded place
- Background subtraction, Morphology, Tracking and Counting operation are performed to obtain the result
- Implementation is done in python using OpenCV

Emotion Recognition in Real-time Jan 2018 - Apr 2018 🔗
Guide: Dr. Gaurav Harit
- Used Convolutional Neural Network to recognize human emotions in real-time by examiming facial features in a given video or a live feed from the webcam
- Created a dataset of more than 1000 images of the 7 basic emotions and used it along with FERC-2013 to fine tune a smaller version of Alex-Net

Mess Management System Jan 2017 - Apr 2017 🔗
Guide- Dr. Chiranjoy Chattopadhay
- Design and Develop a Software for automating the mess service by providing features like Add money, Deduct money, Update menu and Give feedback
- Implemented in python using Django framework along with HTML, BOOTSTRAP, CSS and SQLite database
- While building the project, a proper software development cycle was followed where the stages involved were Documentation, Designing, Coding and Testing

Automatic Milk Collection and Bill Generation Aug 2017 - Dec 2017 🔗
Guide- Dr. Chiranjoy Chattopadhay
- Designed and developed a software to generate and monitor bills and notify people about their current status. This Application is being used by ICICI RSETI
- It provides features of extraction of tables from microsoft access database, formatting of CSV and excel files, bills generation and information sharing
- Developed in python and tkinter