

LOKESH PAVAN KUMAR KARRI

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SKILLS

Programming Languages: C, *Python*, Java, JavaScript
Web Technologies: Django, *HTML*, CSS, React.js, Redux
Databases: *SQL*, MongoDB, PostgreSQL
Tools: Git, Django REST, OpenCV, *Pandas*, *NumPy*, ElasticSearch
DS Frameworks: *Pytorch*, Scikit-Learn

KEY PROJECTS

- DUMBO | Domain: Web Application | Tech Stack: Django, Python, Django REST Aug 2020 - Dec 2020
 - A cloud-based web application that allows for easy storing and retrieval of documents.
 - My work: Exposing Services, Cloud Integration, Search and Retrieval, Third-party Authentication. Contributed to about 30% of the project.
 - Google Vision API was used for the OCR tasks, Google Cloud and Google NLP API are also used.
- CRCHistoPhenotypes: | Domain: Deep Learning | Tech Stack: Pytorch, Python Jan 2021 - May 2021
 - Given an image of a cancerous tissue (Colon cancer tissue) stained with the standard hematoxylin and eosin stain, we should be able to detect the cell nuclei and classify it into one of the four classes (Epithelial, Inflammatory, Fibroblast, Other classes).
 - My work: *Implementation of the model and data preparation*
 - The CRCHistoPhenotypes Dataset is used. RCCNet and YOLOv1 models were trained on the dataset.
- SKETCH 2 FACE: | Domain: Deep Learning | Tech Stack: PyTorch, OpenCV, Django Jan 2021 - Present
 - Given a Forensic sketch image as input, we suggest potential matches to the face from a photo gallery (or a mugshot database).
 - My work: *Data Preparation, Model Training and Implementation, Research*. About 40% of the project is done.
 - Google Colab is being used to train the cCycleGAN model.

EDUCATION

- Indian Institute of Information Technology Sri City | Chittoor, AP Aug 2018 - May 2022
B.Tech. in Computer Science
→ CGPA: 8.2 (upto 6th semester)
- Narayana Junior College | Visakhapatnam, AP Jun 2016 - May 2018
CBSE Senior Secondary (XII)
→ 86.00%
- St. Ann's High School (X) | Visakhapatnam, AP Jun 2015 - May 2016
ICSE (X) Certificate
→ 91.00%

EXPERIENCE

- Member of the College Media Club
- Led a team of four members to complete the Hand 'CRCHistophenotypes' project.
- Co-Leader of the Dumbo project for a team of five.

COURSES AND CERTIFICATIONS

Courses :
Algorithms and Data Structures | Deep Learning | Machine Learning | Database Management Systems | Artificial Intelligence | Object Oriented Programming |

Certifications:
Introduction to Artificial Intelligence (AI) - Coursera
SQL for data Science (OnGoing) - Coursera | MongoDB - MongoDB University
AWS Machine Learning (OnGoing) - Udacity

ADDITIONAL INFORMATION

- Languages: ENGLISH (Professional working proficiency), TELUGU (Native), HINDI (Conversational proficiency)
- Additional Skills : District level Chess Player, Public Speaking.