Deepanshu Mourya

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EDUCATION

MAIT, GGSIP UNIVERSITY
BTech in Information Tech
Expected June 2020 | Delhi, India
CGPA: 7.18/10

LINKS

Github:// **theDeepanshuMourya**
LinkedIn:// **thedeepanshumourya**
Leetcode:// **thedeepanshumourya**
Hackerrank:// **deepanshumourya**
Geeksforgeeks:// **deepanshumourya**

COURSEWORK

UNDERGRADUATE
Data Structures
Algorithms Design & Analysis
Discrete Mathematics
Object-Oriented Programming
Database Management System
Data Communication & Networks
Operating System
Compiler Design
Cloud Computing
Artificial Intelligence

INDEPENDENT
Udemy:
Advanced Algorithms in Java
Spring & Hibernate for Beginners
Coursera:
Machine Learning

SKILLS

PROGRAMMING
Languages:
Java, Python, HTML, CSS
Frameworks:
Spring Boot, Hibernate
Data Visualization & Modelilng:
Matplotlib, Seaborn
Databases:
MySQL
Cloud:
Amazon Web Services (AWS)
Tools:
Tomcat, Git, Tensorflow, Keras, NLTK, Tesseract, Scikit-Learn

OPERATING SYSTEM
Linux/Unix
Windows

EXPERIENCE

TELIBRAHMA SOFTWARE SERVICES LLP | ML Intern
Mar. 2019 - Jun. 2019 | Bangalore, India
- Created an **Object Detection + Automatic Number Plate Detection** model which focuses on detecting vehicles to define a region of interest (ROI) and performing an OCR on ROI for Indian car number plates in real-time.
- The model was integrated with a socket server along with deployment to an **AWS instance**.

CONSTEMS-AI SYSTEM PVT. LTD. | Software Engineer Intern
Jun. 2018 - Jul. 2018 | Noida, India
- Built an alpha version of an **Integrated UI/UX for an AI-based Grading System** & an **Advanced System Control for an AI-Powered Camera** for Linux Operating System.
- Solely responsible for the **system design and development** of the above alpha model.

PROJECTS

SIGNIFY | Natural Language Processing, Python
- Developed a **Sign Language Translator**, which takes real-time speech input and generates sign language symbols for that, thereby eliminating the need for an interpreter.
- Used Natural Language Toolkit (NLTK) to add **sentiment analysis** support which uses 2-way polarity (positive & negative) classification system for input.

IMAGE CLASSIFIER | Deep Learning, Web Scraping, Python
- Wrote a python script to perform data collection of images using **web scraping** technique to create a dataset from the IKEA website.
- Built a Deep Learning Model which uses a **convolutional neural network based image classifier** implemented in keras to classify images into 4 categories - beds, tables, chairs and tableware.
- The model successfully achieved an accuracy of 92% on the training set and 85% on the test set.

KAGGLE HOUSE PRICES | Machine Learning, Python
- Developed a Machine Learning Model for Kaggle House Prices Prediction Competition to **predict house prices** and to perform **data visualization techniques** to understand the insights of the data.

EMAIL VERIFICATION USING LINK | J2EE, REST, Tomcat
- Created a Java application to **generate verification links** and send the user an email requiring them to click the link to verify their email before their email is added to whatever you want to add it to.
- This helps to verify users through their email and **prevent spam users**.

ACTIVITIES

2014	Rotaract Club	Blood Donation Camp Volunteer
2016	Bhumi NGO	Peer Mentor