Vangala S Chandra Mourya

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EDUCATION

Bennett University, Greater Noida   July 2016 – June 2020
B.Tech. in Computer Science and Engineering   **CGPA – 8.0/10**

Sri Chaitanya Academy, SSC, Vijayawada   May 2016
Class XII   **92.7 %**

SKILLS

Experienced:	Data Structures and Algorithms, Python, OpenCV.
Intermediate:	Deep Learning, C++, Java, Linux, ReactJS, JavaScript, CSS, HTML
IDE:	Visual Studio, Jupyter Notebook, VS Code, PyCharm

WORK EXPERIENCE

SOFTWARE ENGINEER at THINK FUTURE TECHNOLOGIES   **Jan 2020 - Present**
Machine Learning Engineer

- Created a program which extracts text from Low Resolution and Distorted Documents utilizing Improved OCR Techniques and does post processing to place the records into an excel file, saving 2-3 hours of manual repetitive work done prior.
  Skills Practiced - python, OpenCV, pytesseract, EAST.
- Successfully performed detection and recognition of Seven Segmented digits from a Meter Reading device. Saved the client company more than a couple of million rupees each year.
  Skills Practiced – python, OpenCV, CRAFT ,YOLOv4.
- Built a Image Classification model for a client which detects the location in the frames of the video. Custom dataset was build to classify the locations in the images.
  Skills practiced – python, OpenCV, CNNs, Inception-v3.

QUALITY CALIBRATION MONITORING SYSTEM(QCMS) at MAT HOLDINGS INC   **May 2018 – July 2018**
Web developer

- A QCMS is an application which keeps track of all the calibrated or to be calibrated instruments within the Company's Premises on an SQL Server. Addressed pain areas of Quality Department which enhanced productivity of department and saved hours of manual repetitive work.
  Skills practiced – Microsoft Visual Studio, JavaScript, HTML, CSS, SQL Server.

ACADEMIC PROJECTS

IMPROVISED OCR ON VEHICLE NUMBER PLATE FOR DETECTION   **Jan 2020**
Developer

- A model which detects the vehicle number plate, perform pre-processing on the ROI and Outputs the text of the number plate. Project also aims on Data analytics using the data which is stored on Firebase.
- Skills practiced – pytesseract, OpenCV, Firebase, labelImg, YOLOv4.

CORONA-TRACKER (live project link)   **April 2020**
Full-stack developer

- A fully Responsive Real-time web application through which one can track the Worldwide COVID-19 Cases, along with country wise Cases with Good UI and data analytics with the help of Charts and Bar Graphs etc.
- Skills practiced – Reactjs, Chartjs, JavaScript, HTML, CSS, API Information retrieval.

OTHER SKILLS AND ACHIEVEMENTS

- Achievements
  - Placed among **Top 12% of the Facebook HackerCup Coding Competition Qualification Round 2020.**
  - **2nd Runner up in HackJNU 2020**, a Hackathon conducted by JNU campus, New Delhi. (10000rs Cash prize)
  - Represented YuvaBharat(NGO) at the World Youth Assembly by IOGT in Sigtuna, Sweden (6th - 11th Aug 2018)
  - International rated chess player (01/2012 – Present)
- Organizations
  - **Youth Leader** at Amardeep (NGO)for promoting Healthy Lifestyle. (05/2016 – Present)
  - **Social Activist** at YuvaBharat(NGO), which works with IOGT International, Headquartered in Stockholm, Sweden(partnering UN/WHO). (05/2017 – Present)
- Interests – Competitive Coding, Weight Lifting, 2D and 3D Video Content Development (My works - http://bit.ly/2k1Zh5p)