





Vaibhav Sharma

Software Engineer (Data Science)

Details

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Profile

Motivated data scientist with 2+ years of experience in building data-intensive applications in healthcare industry. Passionate about building models that fix problems. Relevant skills include machine learning, problem solving, programming, and data analysis. Highly proficient in Python and have good grasp of C++ and Java.



Employment History



Data Scientist at Optum, Gurgaon (Feb 2022 -)

UnifAI

- a
- b
- c

Other Highlights

- Volunteered as a Scrum Master
- Software Owner for Pycharm in the Org



Software Engineer - (R&D) at Vitrana, Noida (July 2019 - Feb 2022)

Data Extractor

- Data Extraction using various Machine Learning and Deep Learning techniques such as NER (BiLSTM, BERT), COREF, Relational Modeling and Object Detection in python on different type of Medical Unstructured text, Narratives, forms etc.
- Data analysis using pandas, Scikit-learn, matplotlib, regex, OpenCV and other tools as well in python.

HiLIT

- Development of microservices in Java and UI screens for an integrated technology platform for collecting, organizing, integrating, mining and distributing knowledge from healthcare, clinical and pharmacovigilance sources.

ML_WorkFlow

- Tool to help train, test, evaluate and predict all the Machine Learning models used in the company with easy to use User Interface.

Jira Report Generation

- An Internal tool with visualizations to track employees Logged hours and other relevant history in Jira.



Skills

Python	Matplotlib
Numpy	Regex
Pandas	Angular8
Git	Flask
C++	Django
TensorFlow	SQL
Keras	Java
Scikit-learn	JIRA
NLTK	Putty

IDEs : Pycharm, IntelliJ, VSCode, Dbeaver, WebStorm



Projects In College


- **Text2Face** - Facial image generation using Generative Adversarial Networks (GANS).
- **Blistick(Blind's Stick)** - Development of an app for visually impaired people using object detection and face recognition.(Android, Python, OpenCV)
- **Secure soldier monitoring** - IOT module to extract real time information of a soldier in battlefield and securing its server end with Blockchain



Extra-Curricular

- 98.59 percentile in GATE- 2019
- Presented a paper - "Developing a Secure Soldier Monitoring System using IOT and Blockchain" in ICSC - 19 conference.
- Presented a Hands-on Session on Image Processing in Computational Methods for Medical Image Analysis Workshop.

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Education

- **B. Tech (Hons) in Computer Science and Engineering** ,Jaypee Institute of Information Technology, Noida CGPA (8.0) [June 2015 – July 2019]
- **XII (Computer Science)** , Kendriya Vidyalaya, Dwarka Sec-5 , 93.6% [April 2014 – March 2015]
- **X** , Kendriya Vidyalaya, Dwarka Sec-5 , CGPA 10 [April 2012 – March 2013]



Internships

- **Student Trainee at DRDO, Scientific Analysis Group, Metcalfe House, Delhi, 2017 – 2018**
 - Cryptanalysis of A5/1 Cipher (used in GSM communication) using Rainbow tables and implementing it in GSM decoding."
- **Intern at Sumer Verde Technologies, Noida June 2018 – July 2018**
 - Developed an IOT module comprising various sensors and Nodemcu microcontroller for collecting relevant data like temperature, pulse rate and distance etc. Alongside, developed an app for remote tracking/monitoring.