



Vaibhav Sharma


Data Scientist

Details

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Skills

Python	Matplotlib
Airflow	Regex
Databricks	Angular8
DeltaLake	Flask
Poetry	Django
Nox	SQL
Click	Java
Numpy	JIRA
Pandas	Putty
Brew	
PySpark	
Git	
C++	
TensorFlow	
Keras	
Scikit-learn	
NLTK	

IDEs : Pycharm, IntelliJ,
VSCode, Dbeaver,
WebStorm



Profile

Motivated Computer Science Engineer with 4+ 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

- Pipeline Creation via Airflow
- Project Development in python via poetry, click and nox
- Cloud Computation in Databricks
- Data Quality
- Data Profiling and Characterization
-
- Brew Installer for the Project

Volunteered as a Scrum Master

- Facilitated Agile ceremonies, like daily stand-ups,
- Assisted Teammates on their blockers
- Collaborated with stakeholders to gather feedback to increase efficiency and productivity of the team.

Software Owner for Pycharm in the Org

- Responsible for overseeing the administration and maintenance of PyCharm, a critical software tool utilised by most of the python developers and Data Scientists.

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

Data Extractor

- Improved the Efficiency of 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.
- Developed the Tf Serving Architecture for the deployment and version controlling of all the ML Models.



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.
- School Captain

HiLIT

- Worked as a Developer in migrating Company's Major Project "Hilit" from a Monolithic Architecture to MicroServices based Architecture.
- Captivant Module : Development of microservices in Java.
- DeMystifier Module: Service Discovery and Distributed Logging in Python.
- SafQi Module : Development of UI screens in angular.

ML_WorkFlow

- Developed a tool that facilitates in train, test, evaluate and predicting all the In-House Machine Learning models with easy to use User Interface.

Jira Report Generation

- Created an internal tool to fetch, analyze and visualize all employees daily activities on Jira that can monitored by higher management.



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.