

Vivasvat (Vivas) Kaul

DATA SCIENTIST

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PROFILE

I am an adaptable and resourceful data science professional with a proven ability to excel within a fast-paced, multidisciplinary work environment. Telling stories and communicating with data to empower individuals and organizations is something to which I'm deeply committed. I believe my background in data, coupled with my recent BrainStation bootcamp education where I honed my skills in ML, NLP, and statistics, has given me the ability and drive to solve complex and ambiguous problems.

SKILLS

Coding languages: Python, SQL, R

Python Packages: Pandas, Numpy, Statsmodels, Kedro

Machine/Deep Learning: Scikit-learn, Tensorflow, Keras, PyTorch, NLP

Statistics: Hypothesis Testing, A/B Testing, Parametric and Non-Parametric Testing

BI/Visualization Tools: Tableau, Power BI, Matplotlib, Seaborn, Plotly, Bokeh

Relational Database Systems: Oracle, Snowflake, Teradata, SAP, MySQL

Cloud Computing Systems: AWS, Hadoop, Spark, Hive, Docker

Productivity Software: Microsoft Office, Notion

Version Control/DevOPS: Azure DevOps, Git, Github

EXPERIENCE

Data Scientist II, Internal Auditing and Advisory Services (IAAS) | Caterpillar Inc.

JUN 2022- APR 2023, MOSSVILLE, IL

- Enhanced existing code for a data monitoring tool to run in Ubuntu Linux using WSL instead of PyCharm as a step toward making code platform agnostic.
- Attained IBM Data Science Specialization – Coursera, Issued June 2022 – No Expiration Date
- Technologies used for above: WSL, Python, Pandas, Tableau, Power BI, Snowflake, SAP, Microsoft Office

Data Scientist I, Reman Analytics | Caterpillar Inc.

JAN 2021 - JUN 2022, MOSSVILLE, IL

- Created Reman Transportation Data pipeline – providing a 20 work hour savings for Corinth Facility and an increase in receiving accuracy and lane loading from 30% to 60%.
- Modernized Reman Seed Dashboard – increased uptime from 40% to 90%.
- Technologies used for above: WSL, Python, Pandas, Kedro, Tableau, Power BI, Snowflake, AWS, Microsoft Office

Data Engineer | Caterpillar Inc.

JUN 2019 - JAN 2021, MOSSVILLE, IL

- Delivered an inventory analysis which led to the acquisition of \$1 million worth of opportunity for Reman within 2019 with a further \$5-6 million projected for 2020.
- Technologies used for above: WSL, Python, Pandas, Kedro, Tableau, Power BI, Snowflake, AWS, Microsoft Office

EDUCATION

BrainStation | Diploma, Data Science

JUN 2023 - SEP 2023, NEW YORK, NY

Georgia Institute of Technology | Masters in Analytics

AUG 2015 - AUG 2016, ATLANTA, GA

University of Oxford | Masters in Biomedical Engineering

OCT 2008 - JAN 2010, OXFORD, OXFORDSHIRE, UK

Georgia Institute of Technology | Bachelors in Biomedical Engineering

AUG 2005 - MAY 2008, ATLANTA, GA

Dean's List (2003-2007)

PROJECTS

Solo Project | Synesthete: A Deep Learning Engine that Sees Sound

SEP 2023, DATA SCIENCE CAPSTONE, BRAINSTATION DEMO DAY

Team Member | Unleashing Developer Potential: A.I.-Enhanced Tools and Intuitive Education

AUG 2023, BRAINSTATION INDUSTRY CHALLENGE

- 1st Place Winner - Final Score: 8.8/10