

YUVRAJ SHIVAJI DHEPE

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LinkedIn: <https://www.linkedin.com/in/yuvraj-shivaji-dhepe/>

Personal-Projects: <https://github.com/Yuvraj-Dhepe/Projects>

GitHub: <https://github.com/Yuvraj-Dhepe>



Experience

01/2021 – 02/2022	Student Research Assistant <i>Kalinga Institute of Industrial Technology University, Bhubaneswar, India</i> <ul style="list-style-type: none">Co-authored comparative research paper on Pneumonia Detection using Deep Learning with 5-member team<ul style="list-style-type: none">Achieved 92.46% accuracy on Pneumonia dataset via Applied Optic Net ModelBuilt a Sign Language Recognition project using OpenCV<ul style="list-style-type: none">Achieved 95% accuracy, implementing CNN, RNN models on American Sign Language video sequences
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Education

10/2022 – Present	Master Studies Of Data Science <i>University of Potsdam, Potsdam, Germany</i> <ul style="list-style-type: none">Focus areas: Applied Machine Learning, Deep Learning, Reinforcement Learning, Data VisualizationExpected graduation: 07/2024
07/2018 – 05/2022	Bachelor of Technology - Computer Science and Systems Engineering <i>Kalinga Institute of Industrial Technology University, Bhubaneswar, India</i> <ul style="list-style-type: none">Focus areas: Computer Architecture, Big Data, Operating Systems, DBMS, SQL, Mathematics, Probability & Statistics, Computer Networks, Cloud ComputingBachelor's Thesis: Pneumonia Detection using Computer Vision and Deep LearningFinal Grade: 1.26/4.00 (1- highest, 4-lowest)

Project Experience

06/2023	US-Accidents (2016-2023) Severity Project EDA Project work included following tasks: <ul style="list-style-type: none">Performed EDA & ETL on 7 million Accident Data InstancesRevealed Crucial insights, like accident severity distribution, accidents distribution over states, cities, Weekdays, Weather ConditionsExtended the Data Analysis using building Predictive ML models Tools & Libraries Used: Git, Kaggle Kernels, Sklearn, Python, Pandas, Numpy, Matplotlib, Seaborn Project: https://github.com/Yuvraj-Dhepe/Projects/tree/main/US-Accidents-Project
04/2023	Student Performance Prediction End to End ML Project Project included steps of data collection , EDA , created meaningful Data Viz's to gain insights and work was further extended by doing regression analysis on the 1K students <ul style="list-style-type: none">Used Viz's to get insights on how students' performance is affected via parent's education levels, students' socio-economic status, gender and other factorsUsed insights to perform feature engineering on dataset and build meaningful features that can help in machine learningWorked with AWS & Docker to gain hands-on experience with CI/CD Pipelines Tools & Libraries Used: Git, AWS, Docker, Python, Sklearn, Pandas, Numpy, Matplotlib, Seaborn Project: https://github.com/Yuvraj-Dhepe/ML_Web_Project

03/2023	Youtube API Web-Scraping Data Analysis Project Scraped 9000 videos via Youtube API on Spiritual Youtube Channels to gain different insights <ul style="list-style-type: none"> What makes a video trending is it the number of likes, is it the video duration, is it the title length Made Word Clouds consisting 1000's of words from Comments & Video Titles, to know what are commonly used words by the Viewers & Creators Experienced the utilization of Web-API Tools & Libraries Used: Git, Python, Pandas, Numpy, Matplotlib, Seaborn, Jupyter Notebook Project: https://yuvraj-dhepe.github.io/DataBlog_V1/docs/projects/Youtube_API_EDA.html
03/2023	Power BI Sales Insight Dashboard Project Built a professional Power BI dashboard using 1000's of Sales Data Points through ETL concepts <ul style="list-style-type: none"> Performed Data Cleaning and Data Merging with SQL & Power BI Created Dashboard using PowerBI Documented all the Insights from the Data Tools & Libraries Used: Python, Jupyter Notebook, PowerBI, MySQL Project: https://yuvraj-dhepe.github.io/DataBlog_V1/docs/projects/B1_Sales_Insights.html

Volunteering

05/2023 – Present	ReDI School Of Digital Integration <ul style="list-style-type: none"> Teaching Python & Micro-bit Programming as an Assistant teacher on Weekends Planning engaging learning activities for children during sessions
07/2019 – 06/2022	National Social Service KIIT BBSR <ul style="list-style-type: none"> As a student volunteer at an orphanage, I spent quality time with children, and learning the power of Human connection and importance of giving back to community Hosted small group games, teaching & storytelling sessions for kids

Skills

Data Analysis & Manipulation:

Python (Very Good) | Numpy (Very Good) | Jupyter Notebook (Very Good) | Feature Engineering (Very Good) | R (Good) | Advanced Excel (Very Good) | Pandas (Very Good) | EDA (Very Good) | SQL (Very Good) | Statistical Analysis (Very Good)

AI & ML:

Re-enforcement Learning (Good) | Deep Learning (Very Good) | Machine Learning (Very Good)

DevOps & Cloud Computing:

Git (Very Good) | Amazon Web Services (Good) | Docker (Good)

Data Viz & Communication:

Power BI (Very Good) | Data Visualization (Good) | Communication (Very Good) | Tableau (Good) | Storytelling (Very Good) | Tableau (Good)

Certificates

[Python Programmer Bootcamp](#)

[SQL](#)

[Data Cleaning and Preprocessing with Pandas & Numpy](#)

[Advanced Microsoft Excel](#)

[Tableau with SQL](#)

[Power BI](#)

[Statistics](#)

[Feature Engineering](#)

[Machine Learning](#)

[Deep Learning](#)

[The Complete Data Visualization Course](#)

Languages

- English: Fluent C1
- Hindi: Native C2
- Marathi: Mother tongue
- German: Learning A1