

Pratik Thorat

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Skills

Programming	Python, Java, SQL
Visualization	Power BI, Excel Charts, Jupyter Notebook
Database	MySQL, MongoDB
Machine Learning	Statistics and Probability, Numpy, Pandas, A/B testing
Deep Learning	Tensorflow, Pytorch, Computer Vision, NLP

Experience

Air Pressure Sensor Fault Prediction – ML Classification Project Intern | Ineuron | [Github Link](#) July 2022 – Sept 2022

- Built model predicting air pressure sensor failures in heavy-duty vehicles, saving \$500,000 annually.
- Used Logistic Regression, Random Forest, Decision Tree, XgBoost, achieving F1 score of 0.87.
- Streamlined deployment via GitHub Actions, cutting deployment time by 40%.
- Technologies: Python, Transformers Library, scikit-learn, AWS (EC2, ECR), GitHub Actions, Docker.

Bike Sharing Demand Prediction – ML Regression Project Intern | Ineuron | [Github Link](#) Feb 2023 – July 2023

- Developed predictive model for bike demand, optimizing resources and increasing revenue by \$90,000 annually.
- Enhanced model interpretability through feature engineering and analysis.
- Used LightGBM, Random Forest, Decision Tree, XgBoost, achieving R2 score of 0.95.
- Technologies: Python, Transformers Library, scikit-learn, AWS (EC2, ECR), GitHub Actions, Docker.

Projects

Chicken Coccidiosis Classification – *Computer Vision* | Ineuron | [Github Link](#) Sep 2022 - Nov 2022

- Developed system classifying chicken fecal samples as diseased/healthy with 95% accuracy.
- Designed user-friendly interface using Flask.
- Technologies: Python, TensorFlow, Flask, DVC.

Business 360 - Brick & mortar and e-commerce | Power BI | AtliQ | [Live Dashboard Link](#) Jan 2023 – Mar 2023

- Designed a multi-view dashboard in Power BI for AtliQ hardware, aiding data-driven decisions and scaling business processes by 10%.
- Imported and modeled data from MySQL and Excel with over 1 million records.
- Optimized the report using DAX studio, saving 30% storage and improving performance by 10%.
- Technologies: PowerBI, Mysql, Excel.

Text Translation using Natural Language Processing – *Natural Language Processing* | Ineuron | [Github Link](#) May 2023 - Aug 2023

- Led English to Hindi translation, boosting quality by 20% (BLEU score: 0.85).
- Implemented GitHub Actions, cutting deployment time by 30%.
- Technologies: Python, Hugging Face Transformers Library, AWS (EC2, ECR), GitHub Actions.

Sign Language Detection - *Computer Vision* | Ineuron | [Github Link](#) Aug 2023 - Present

- Implemented real-time sign language gesture recognition at 30 FPS using YOLOv5.
- Achieved 90% accuracy in detecting sign language phrases.
- Deployed as a user-friendly web application.

Certifications and Awards

Ineuron Full Stack Data Science Certification- [Link](#) Jun 2022 – Jun 2023

CodeBasics Data Analytics Bootcamp Aug 2023 - Present

Education

VNIT Nagpur, India – *B.Tech in computer science and engineering*