



Utkarsh Pachapande

M. Tech in Data Science (Pursuing),
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EXPERIENCE

- **Ordnance Factory Varangaon, a unit of munition India limited (Govt of India Enterprise, Ministry of Defence)**
| Government / PSU / Defence | 01 Apr, 2024 – 15 Apr, 2024
Data science Intern Onsite
Key Skills: yolov3 | opencv | Object Detection | Presentation Skills | team work | Communication
 - Completed a 15-day internship at a Government of India defense manufacturing unit, gaining exposure to real-world industrial processes and data handling.
 - Collaborated in a team to develop a **Real-Time Object Detection** project using **YOLOv3** and **OpenCV**, detecting over 75 object classes.
 - Strengthened key skills including **object detection, team collaboration, presentation, and communication**.
- **ScaleFull Technologies LLP | IT / Computers – Software** 15 Dec, 2023 – 20 Jan, 2024
ML/AI intern Remote
Key Skills: data modeling | data visualization | numpy | pandas | tensorflow | data preprocessing
 - Engineered end-to-end pipelines including **data collection, preprocessing, and feature engineering** to build robust predictive models.
 - Developed a **Medical Insurance Cost Prediction** system using algorithms like **Random Forest, Linear Regression, ANN, and CNN** in a 2-member team.
 - Applied key tools such as **NumPy, Pandas, and TensorFlow**, while enhancing skills in **data modeling, visualization, and analytical thinking**.

EDUCATION

Qualification	Institute	CGPA	Year
Bachelor of Engineering in Artificial Intelligence and Data Science (SPPU)	Dr. D Y Patil Institute of Engineering, Management & Research, Akurdi, Pune	8.66/10	2021-2025

SKILLS

- **Languages:** Python, C++, Java, SQL.
- **Machine Learning & Deep Learning:** TensorFlow, Scikit-learn, Pandas, NumPy, NLTK, LangChain.
- **Data Science:** Data Cleaning, Data Preprocessing, Microsoft Excel, Statistics, Data Analysis.
- **Visualization:** Tableau, Power BI, Matplotlib, Seaborn.
- **Web Frameworks:** Flask, Streamlit.

PROJECTS

- **Object Detection** Apr, 2024 – Apr, 2024
 - Developed a **real-time object detection system** capable of identifying **75+ object classes** using **YOLOv3** and **OpenCV**.
 - Demonstrated practical applications of **deep learning in surveillance and defense-related scenarios**.
- **Medical Insurance Cost Prediction** Dec, 2023 – Jan, 2024
 - Built a **predictive model** using **regression algorithms** to estimate insurance costs based on customer health data.
 - Integrated the model into an **interactive Streamlit web app**, showcasing **end-to-end ML deployment** and **user-friendly UI design**.
- **Blinkit Sales Dashboard** Jan, 2025 – Apr, 2025
 - Designed an **interactive dashboard** to visualize Blinkit's sales data using **Power BI** with filters, **KPIs**, and visuals.
 - Applied **data transformation, DAX functions**, and storytelling to generate **actionable business insights**.

CERTIFICATIONS

- Complete Guide to Building, Deploying, and Optimizing Generative AI with Langchain and Huggingface (Udemy)
- The Data Science Course: Complete Data Science Boot Camp (Udemy)
- Python Project for Data Science (Coursera)
- Python for Data Science, AI & Development (Coursera)

ACHIEVEMENTS

- GATE 2024(DA), 2025(DA) Qualified
- Published a research article titled “Grocast: Interactive Sales Forecasting Dashboard” in the International Research Journal on Advanced Engineering Hub (IRJAEH).