

Jay Oza

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EDUCATION

B.Tech in Computer Engineering with Honors in AI&ML , K.J. Somaiya Institute of Technology, CGPA - 9.8	Jun 2020 - Present
B.S in Data Science & Programming , Indian Institute of Technology, Madras, CGPA - 7.55	Nov 2020 - Present

SKILLS

Languages	Python, HTML, SQL, CSS, LaTeX, Markdown
Databases	MySQL, PostgreSQL, Access, Sqlite3, Redis
Frameworks	Tensorflow, Keras, Django, Flask, FastAPI
Libraries	Seaborn, Scikit Learn, Numpy, Pandas, Matplotlib, Darts, Plotly, Celery
Others	Git, GitHub, Tableau, PowerBI, MS Word, MS Excel, MS Powerpoint, Streamlit

EXPERIENCE

YOLOH INC. <i>Data Science Consultant</i>	USA , Remote <i>Aug 2023 – Present</i>
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- Innovating a technological fusion that leveraged OCR, harnessed the capabilities of **Llama 2**, **GPT-3.5**, and **GPT-4** models.
- Synergizing the potential of **Neo4j** graph database with the scalability of **AWS** resources, achieving a **30%** reduction in manual data entry and optimizing data retrieval efficiency by an outstanding **53%**.

Nutriva Lifescience Pvt Ltd. <i>Data Science Intern</i>	Mumbai - India, Onsite <i>Jun 2023 – Jun 2023</i>
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- Developed and deployed an end-to-end healthcare data analysis web-app using more than **2 million** rows of healthcare transaction data.
- Systematically supervised data infrastructure with SQL, deployed the application with Streamlit, and analyzed complex data for insights, resulting in a **15%** increase in inventory management efficiency.

Max Conformance <i>Business Development & Management Intern</i>	Mumbai - India, Remote <i>Mar 2023 – May 2023</i>
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- Acquired knowledge about MIS, cybersecurity and concepts revolving **ISO 27001** (both the 2022 and 2019 editions), **SOC2** type 1 and type 2, as well as the performance and acceptability of **risk assessments** for their software.
- Contributed to the design of the foundation of a custom **LLM** system, resulting in a **30%** reduction in document retrieval time and a **16%** improvement in overall efficiency through the integration of a chat application.

Devic Earth <i>Data Analyst</i>	Bengaluru - India, Remote <i>Jan 2022 – Feb 2022</i>
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- Oversaw and curated air quality data of over **100** clients, delivering precise data that empowered informed decision-making.
- Generated client reports featuring daily percentage change were meticulously curated and refined, resulting in a **10% reduction** in data anomalies and presenting the variations in comparison to the baselines, ultimately leading to client satisfaction.

PROJECTS

Portfolio Optimization using Deep Reinforcement Learning

- Working on a portfolio optimization project involving the examination of several global stock market indexes, including the **S&P 500**, **Nasdaq 100**, and **Nikkei 225**
- Building the working system using **DQN**, **D3QN**, **A3C**, and **PPO** to monitor the volatility of the markets.

Customer Analysis Dashboard - Tableau

- Conducted a comprehensive analysis of revenue trends in all **50** states in the USA, revealing a significant increase in revenue growth in the Western and Southern regions.
- Identified key economic and demographic factors that contributed to revenue growth of **15%** over the year in specific states, providing valuable insights for business expansion strategies.

Movie Ticket Booking WebApp

- Developed a Movie Ticket Booking App using **Python**, **Flask**, and **Sqlite3**, with a user-friendly **VueJS-based** frontend and **Jinja2** templates, resulting in a **10%** time reduction in searching and booking shows and tickets. Utilized **Celery** for job handling and incorporated scheduled email notifications using **Redis**, demonstrating effective task management and user communication in a simulated environment.
- Improved the app's efficiency by implementing Redis caching, resulting in a remarkable **40%** reduction in page loading speed for both admin and user functionalities and also enhanced efficient **show management**, and a streamlined **booking system**.

ACHIEVEMENTS

- Achieved a **Gold Medal** in the WorldQuant Brain competitive finance competition and ranked **9th** out of over 3000 participants.
- Proficient **Kaggle Expert** with high-ranking notebooks, active community contributions, **top 1500** ranking across the globe
- **1st place** in DataThon for outstanding Exploratory Data Analysis skills.