

Prithviraj Decca

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Manchester, UK

SUMMARY

AI and Data Scientist with 3 years of experience in machine learning, speech recognition and mathematical optimization. Proficient in mathematical optimization and skilled in collaborating with global teams, including data engineers, ML engineers, and product managers. Focused on driving efficiency and innovation in AI projects.

EXPERIENCE

Data Scientist

Peak.ai, Manchester, UK

May 2023 - Present

- Liquidated 100k SKUs on a weekly basis from European DCs to 200+ outlets across EMEA in the most profitable way
- Improved visibility into the allocation optimization process with a mission control dashboard, freeing up 4-5 hours per week for data scientists and streamlining the onboarding of new categories.
- Significantly accelerated feature development and the implementation of business constraints and objectives by enhancing documentation, refactoring code, and creating utility scripts.
- Saved an overall ~140 man hours a week through incremental product development
- Established feedback loops with stakeholders, reducing turnaround time from ~3 weeks to ~2 hours and shortening feature development from ~3 months to ~4 weeks.
- Liquidated seasonal stock in the warehouse by 30% through strategic liquidation during specific seasons

Data Scientist

Intellicrats Infosolutions Pvt Ltd, Remote, India

Mar 2021 - Sept 2021

- Developed an ASR product fine-tuned for regional accents, cutting man-hours by 72% with automated speech-to-text.
- Improved transcribed document accuracy from 96% to nearly 100% by employing a single high-quality verifier.

- Reduced the word error rate of the ASR system by 36% by fine-tuning a pretrained large language model Wav2Vec 2
- Utilized SpaCy's pre-trained NER model to map relevant information, reducing man-hours by 20%.

Data Scientist

Great Learning, Bangalore, India

May 2019 - Oct 2020

- Revamped AIML content to enhance customer satisfaction and rigor through practice exercises and assignments.
- Delivered 20+ high-quality case studies covering statistics, regression, classification, text mining, time series forecasting, computer vision, and NLP.
- Accelerated delivery to business clients by ensuring structured learning, reducing SLA from 2-3hrs to 30 minutes
- Boosted productivity by engaging directly with customers and leads, saving 2.5 hours per lead.
- Consistently rated higher than 4.8 out of 5 for sessions on statistics and machine learning.

Transportation Specialist

Amazon, Hyderabad, India

Sep 2017 - Sep 2018

- Performed remote inventory audits optimizing the supply chain in NA and EU robotic FCs.
- Resolved shipping and packing delays by identifying inventory mismatches.
- Supported the NA Frontline Middle Mile process, minimizing potential line-haul delays.

EDUCATION

MSc in Aerial Robotics

University of Bristol, Bristol

- **Dissertation: Energy Harvesting from Wind Gusts using Reinforcement Learning**

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, C++
- **Tools & Technologies:** Sagemaker, airflow, Jenkins, git, gurobi, pytest
- **Optimization Techniques:** Linear Programming, Dynamic Programming and Machine Learning