Anurag Kumar

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Education

Indian Institute of Technology (ISM) Dhanbad	Expected May 2025
Bachelor of Technology in Mineral and Metallurgical Engineering	*Dhanbad, Jharkhand*

Experience

PhysicsWallah — Nov 2021 – Jun 2022
Business Strategist Specialist — *Remote*
- Boosted product adoption by optimizing user flow and addressing drop-offs.
- Provided actionable insights to refine business, marketing, and brand strategies.
- Conducted competitor analysis, advising CXOs on strategic expansion.
- Optimized MySQL database queries, reducing page load times by 15% and enhancing overall application performance.

Projects

Face Recognition Model | *Python, TensorFlow/Py Torch, OpenCV, Kera's, NumPy, Scikit-learn*
- **Developed a face recognition system to identify and verify individuals from images or video feeds, utilizing advanced computer vision and deep learning techniques.**
- Impact: Achieved an accuracy rate of [90 percent] in facial recognition tasks, significantly enhancing security and user verification processes for applications such as access control and personalized user experiences
- **Tech Stack**: SQL, Tableau.

Football Analysis Project | *Python, YOLO, OpenCV, NumPy, Matplotlib, Pandas, K-means, Optical Flow*
- Implemented player, referee, and ball detection and tracking using YOLO, and assigned players to teams using K-means clustering.
- Measured ball acquisition percentage and calculated player movement and speed using optical flow and perspective transformation.
- Upon completion of the form, students are now able to preview their details before the final submission.

Customer Segmentation Analysis and Sales Data Exploration — RFM Analysis in SQL | *Python, SQL*
- **Explored a sales dataset and generated various analytics and insights from customers**' past behavior. Created the dashboard using Tableau for visual insights of different data features..
- Analyzed sales revenue to create a customer segmentation analysis using RFM technique.
- **Tech Stack**: SQL, Tableau.

Technical Skills

Languages: S Q L , C , C++, Python, HTML, CSS, JavaScript.
Libraries and Framework: Pandas, NumPy, MatplotLib, Seaborn, Sckit-learn, openCV
Tools: Tableau, Git, GitHub, Figma, Canva, PowerBI,Oracle SQL, MongoDB, Firebase, AWS, PHP myAdmin
Coursework: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Artificial Intelligence, Machine Learning, Deep Learning, Neural Networks, API, Database Normalization, , Product Management

Achievements

- **Competitive Programming platforms ranking**- Codforces/Anuragk01 Codchef/itsmeakay1

- Second runner-up in the **Inter-Parliamentary** Debate 3.0 (Annual debate competition of IIT ISM DHANBAD).

- Ranked in the top 1 percentile among 1,50,838 candidates who sat for **JEE ADVANCED 2021**.

- Among the Top-5 Teams in **Indulge-Hackathon** organized by SCPT, IIT(ISM) Dhanbad.

- Solved more than **400+** problems across different coding platforms