

ANUJ KULKARNI

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PROFESSIONAL SUMMARY

Engineering student at IIITDM Jabalpur with experience in data analysis, machine learning, and open-source project leadership. Skilled in Python, SQL, Microsoft Excel, and Power BI for deriving actionable insights from data. Led large-scale open-source initiatives with 128+ contributors and 350+ merged pull requests while solving real-world analytical problems.

EDUCATION

PDPM IIITDM Jabalpur

B. Tech in Smart Manufacturing

TECHNICAL SKILLS

Programming: Python, SQL (MySQL)

Data Analysis & Visualization: Pandas, NumPy, Excel, Microsoft Power BI, Plotly, Matplotlib, Scikit-Learn

Tools: Git, GitHub, Jupyter Notebook, Google Colab, Vercel

Web Technologies: HTML, CSS

EXPERIENCE

Founder, Project Admin & Maintainer - Python Mini Projects Collection *(Mar 2026 – Present)*

- Founded and scaled a repository into a GSSoC-approved project with 40+ Python apps and structured learning resources.
- Managed 128+ contributors, 390+ pull requests, and 650+ issues; merged 350+ quality contributions.
- Defined contribution guidelines, issue/PR templates, review workflows, and repository governance.
- Reviewed, prioritized, and resolved pull requests and merge conflicts to maintain code quality and project stability.
- Built and maintained a Vercel-hosted platform in HTML, CSS, and JavaScript; reached 63+ stars and 178+ forks.

Open Source Contributor - Recode Hive Website

- Delivered 30+ merged PRs covering UI/UX improvements, workflow automation, and documentation.
- Built a leaderboard podium feature to enhance contributor recognition and community engagement.
- Collaborated with maintainers to implement website improvements while following open-source development workflows.

Club Member - CAD & 3D Printing Club, IIITDM Jabalpur *(Mar 2025 – Present)*

- Designed 30+ engineering prototypes, earning the Best Innovator Award at CAD MANIA.
- Collaborated on engineering design projects through iterative prototyping and problem-solving.

PROJECTS

Spotify Song Clustering / Python, Pandas, Scikit-Learn, Plotly *(2025)*

- Analyzed 1.2M+ Spotify tracks by performing exploratory data analysis, feature engineering, preprocessing, and scaling to prepare data for unsupervised learning.
- Segmented songs using K-Means clustering and visualized results with Plotly to uncover listening patterns and support music recommendation and audience segmentation.

Intel Sensors - Room Occupancy Detection / Python, Pandas, Scikit-Learn *(2025)*

- Built a predictive analytics pipeline by performing exploratory data analysis, preprocessing, feature engineering, and statistical analysis on environmental sensor data.
- Developed and evaluated classification models with emphasis on high recall for imbalanced data, supporting reliable occupancy prediction for smart building applications.

ACHIEVEMENTS & CERTIFICATIONS

Amazon ML Summer School *(2026)*

- Shortlisted for Amazon's selective ML Summer School 2026 based on academic and technical profile.

AIR 4 --- Sim-U-Later, IIT-BHU Technex *(Mar 2026)*

- Secured All India Rank 4 in a national-level CAD and simulation competition through collaborative engineering design.

Best Innovator Award --- CAD MANIA (Autodesk Fusion 360) *(2025)*

- Designed an innovative magnetic-actuated hand gripper, replacing conventional spring mechanisms to improve mechanical efficiency.

Machine Learning Specialization --- Andrew Ng (Coursera) *(Completed May 2025)*

- Completed coursework covering supervised learning, unsupervised learning, regression, classification, and model development using Python and Scikit-Learn.

Technical Blog --- GridSearchCV Hyperparameter Tuning *(Published Jul 2025)*

- Authored a technical article explaining GridSearchCV and practical hyperparameter tuning techniques on Medium.

Competitive Programming --- CodeChef

- Max rating: 1602 (3★) on CodeChef.