

TANMAY KULKARNI

Pune, Maharashtra

📞 7620964798 ✉ kulkarnitanmay1602@gmail.com [in linkedin.com/in/tanmaykulkarni16/](https://www.linkedin.com/in/tanmaykulkarni16/) github.com/tanmaykulkarni16 🌐

Education

D.Y Patil College of Engineering, Akurdi, Pune

B.E. Artificial Intelligence and Data Science (CGPA 8.18/10)

February 2021 – June 2024

Pune, Maharashtra

Relevant Coursework

- Data Science
- Database Management
- Artificial Intelligence
- Machine Learning
- Data Visualization
- Data Modeling
- Big Data Analytics

Experience

Metamagics Pvt. Ltd

Data Science Intern

March 2025 – August 2025

Pune, Maharashtra

- Performed survival analysis on over 6000 post-organ transplant patient records using Kaplan-Meier estimators in Python; Generated time-to-event curves and quantified survival probabilities across multiple cohorts.
- Converted raw clinical data (e.g., surgery dates, survival days) into analyzable formats, including elapsed survival years and stratified survival ranges, enhancing interpretability for statistical modeling.
- Engineered individual-level survival data from summarized Excel sheets (Alive/Dead counts) to reconstruct Kaplan-Meier curves, improving survival trend accuracy and enabling visual comparison between cohorts.
- Currently preparing and organizing clinical data for the application of machine learning models to predict transplant outcomes.

Projects

IPL Score Predictor | *Python, Supervised ML, TensorFlow, Scikit-learn*

September 2023

- Developed and deployed an IPL match score prediction web application using Flask and TensorFlow.
- Trained the model on a comprehensive dataset of 76,015 match records, performing feature engineering, label encoding, and data pre-processing for optimal model performance.
- Integrated a trained deep learning model with an interactive front-end built using HTML, CSS, and Flask.
- Achieved 90 percent prediction accuracy in forecasting final scores compared to actual match outcomes.

Research Paper Summarizer (Final Year Project) | *Python, NLP, Claude Opus, Anthropic*

May 2024

- Played a key role in automating end-to-end research paper summarization by extracting raw text and integrating Claude Opus via API, reducing manual review time by 75 percent.
- Designed and optimized prompt structures for Claude Opus (Anthropic), enabling generation of concise and context-aware research summaries across various academic domains.
- Implemented post-processing pipelines to convert AI-generated summaries into downloadable PDF documents, enhancing user experience and usability.

T20 World Cup 2022 Data Analysis | *Python, Pandas, Web Scraping, Microsoft Power BI*

December 2022

- Performed requirement scoping, data collection via web scraping from ESPN Cricinfo, and data preprocessing using Pandas to analyze performance stats from 240 players across 16 nations.
- Built an interactive Power BI dashboard incorporating DAX-based parameters, custom filters, and visualizations to assess player performance across categories such as best openers, power hitters, all-rounders, and specialist fast bowlers.

Technical Skills

Languages: Python, SQL

Developer Tools: Jupyter Notebook, MySQL, Microsoft Excel, Microsoft Power BI

Libraries: Pandas, Numpy, Matplotlib, Scikit-learn, TensorFlow

Leadership / Extracurricular

Toastmaster DYPCOE

Public Relations Head

August 2022 – September 2023

DY Patil College of Engineering

- Played a key role in increasing student participation in debate, elocution, and public speaking events by 15-20 attendees per session through targeted promotions and interactive initiatives.
- Led the club's digital strategy by producing Instagram reels, educational posts, and daily quizzes, resulting in a 500-follower increase and significantly higher audience engagement.
- Spearheaded end-to-end content and campaign management to boost the club's visibility, enhancing outreach and student involvement across campus platforms.