# Omkar Manoj Kulkarni

*AI / ML Engineer*

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## Personal Details

**Current Address:** Bangalore, Karnataka, India
**Permanent Address:** Kolhapur, Maharashtra, India

## Professional Summary

AI/ML and Data Science enthusiast with strong foundations in machine learning, deep learning, and data analytics. Experienced in building end-to-end ML models, feature engineering, and applying Artificial Neural Networks to improve predictive performance. Skilled in Python, PyTorch, TensorFlow, and data-driven problem solving using real-world, India-focused datasets.

## Education

**Centre for Development of Advanced Computing (C-DAC), Bangalore, India Aug 2025 – Present**
PG Diploma in Big Data Analytics (PG-DBDA)
*Key Focus: Machine Learning, Deep Learning, Python, Linux, Data Analysis*

**KIT's IMER, Kolhapur, India**      **Jul 2023 – Jul 2025**
Master of Computer Applications (M.C.A)

**New College, Kolhapur, India**      **Aug 2020 – May 2023**
Bachelor of Computer Applications (B.C.A)

## Technical Skills

**Programming Languages:** Python, Core Java, SQL, Bash
**Machine Learning & AI:** Machine Learning, Deep Learning, Artificial Neural Networks, Model Evaluation
**Frameworks & Libraries:** PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy
**Data Engineering:** PySpark, MySQL, Data Structures
**Tools & Platforms:** Linux (Ubuntu), Git, GitHub, Jupyter Notebook, VS Code
**Web Technologies:** HTML, CSS, JavaScript, React-Native (Basic)

## Academic Projects

**Tourism Recommendation System (India-Focused)** — *Python, Machine Learning, ANN* 2025

- Developed an end-to-end tourism recommendation system tailored to Indian destinations
- Built recommendation models using user preferences such as budget, season, and interests
- Improved accuracy by implementing an Artificial Neural Network (ANN)
- Created a custom India-specific dataset and performed feature engineering

**Deep Learning Model Implementation** — *Python, PyTorch, TensorFlow*      2025

- Designed and trained deep learning models for image classification
- Applied normalization, augmentation, and preprocessing techniques

**Large Scale Data Processing** — *PySpark, Linux* 2025

- Processed large datasets using PySpark RDDs and DataFrames
- Built efficient data transformation pipelines

**Smartline Kitchen Web Application** — *PHP, MySQL, HTML* 2024

- Developed a full-stack inventory and order management application
- Designed optimized MySQL schemas

## Professional Experience

**Software Developer Intern** — Noitavonne, Kolhapur, India Jun 2024 – Aug 2024

- Assisted in mobile application development using React-Native
- Debugged application logic and resolved functional issues
- Collaborated with senior developers following SDLC practices

## Certifications

- Google Data Analytics Professional Certificate — Coursera
- Google Cybersecurity Professional Certificate — Coursera