

KIARA JAMAL

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems NY, New York
Master of Science (MS) in Data Science | **Concentration:** Data Science and Data Analytics May 2026

Ajeenkya D Y Patil School of Engineering Pune, India
Bachelor of Engineering (BE) in Computer Engineering | **Concentration:** Cloud Computing | **GPA:** 7.99/10 May 2023

RELEVANT COURSEWORK

Database Management Systems | Mathematical Foundation | Python Programming | Data Structures and Algorithms | Introduction to Data Science | Discrete Mathematics

TECHNICAL SKILLS

Programming Languages: Python, SQL, Java, C++, HTML, CSS, PHP

Data Processing & Analytics: Data cleaning, preprocessing, statistical analysis, and machine learning.

Certifications: Data Science with Python, Hands-on Python workshop with Applications and Cloud Deployment, Introduction to Website Development Technologies

PROFESSIONAL EXPERIENCE

Capgemini Technology Services India Limited Pune, India
Software Engineer Intern May 2023 – November 2023

- Created and optimized Dockerfiles for containerizing React.js applications, reducing deployment times by 20%.
- Improved deployment consistency across environments, leading to a 30% reduction in environment-related bugs.
- Analyzed and refined 5+ data models and workflows, improving data integrity across multiple systems.
- Wrote unit and integration tests using Jest and React Testing Library, increasing code coverage by 25%.
- Diagnosed and resolved 30+ production issues, enhancing system stability and user experience.

Ideas to Impacts Digital Pvt. Ltd Pune, India
Data Annotator December 2021 – January 2022

- Cleaned and preprocessed real-world driving records, resolving inconsistencies and boosting model accuracy by 25%.
- Labeled images with key features (road signs, lanes, vehicles), enhancing autonomous driving models and improving detection accuracy by 30%.

ACADEMIC PROJECTS / PERSONAL PROJECTS

Personal Finance Management System September 2024 – December 2024

- Developed a personal finance tool that forecasted expenses with 85% accuracy and generated personalized budgets, improving user savings by 20%.
- Employed k-means clustering for behavior analysis, ARIMA and Linear Regression models for prediction, and visualization tools for presenting actionable insights.

Real-time Face Attendance System September 2022 - May 2023

- Collaborated with 3 other team members, contributed primarily to feature extraction and model evaluation using Enhanced LBP and PCA techniques.
- Collected and prepared a dataset of over 200 labeled facial images, incorporating diverse conditions (lighting, angles, image quality) to improve recognition robustness.
- Engineered features using Enhanced Local Binary Pattern (LBP) and Principal Component Analysis (PCA), achieving up to 95.76% accuracy on the Yale Face Database and 100% accuracy on high-quality custom images.

LEADERSHIP

Pace Indian Student Association(PISA), Social Media Manager February 2025 – May 2025
Scouting and Guiding, Assistant Guide Leader March 2024 – August 2024

VOLUNTEER WORK

Aga Khan Health Board India, Content Creator Member March 2024 – August 2024
ITREB India, Cluster Team Member March 2022 – August 2024