

Nikhil Krishna R D

Coimbatore, Tamil Nadu • 8825895654 • rdnikhilkrishna2004@gmail.com •
linkedin.com/in/nikhil-krishna-r-d-773b84259

Data Analyst and Developer

Innovative and results-driven Data Science enthusiast with a strong background in web development and automation. Passionate about creating efficient, data-driven solutions that streamline academic and administrative workflows. Skilled in Python, Flask, MongoDB, and frontend technologies. Always eager to leverage technology to solve real-world problems and enhance user experiences.

WORK EXPERIENCE

Kumaraguru College of Liberal Arts and Science

03/2024 - 09/2024

Project Lead - University Academic Portal (Capstone Project)

- Selected and led a cross-batch team (including classmates and juniors) to develop a full-stack academic portal for the entire college, aimed at streamlining faculty and admin workflows.
- Personally chose team members and coordinated sprint planning, development cycles, and cross-functional collaboration.
- Built Excel-style modals for internal mark entry with dynamic batch/subject filtering and automated mark conversion logic.
- Developed detailed admin dashboards for real-time result analysis, including top scorers, subject-wise performance, and arrear statistics.
- Successfully led core development and feature rollouts before the project was eventually sunset due to institutional decisions.

CAI Mahindra

07/2024 - 08/2024

Data Analyst Intern

Coimbatore

- Analyzed automotive sales data, focusing on ETBR (Enquiry, Test Drive, Booking, Retail) pipeline, and calculated conversion ratios to optimize the sales funnel.
- Automated 15 critical Excel reports for Sales and Telecalling departments, significantly improving reporting efficiency and data accessibility.
- Developed a Flask application to streamline report generation, enabling real-time access to key business metrics.
- Collaborated with departments to understand workflows and identify opportunities for data-driven improvements in the automotive industry.
- Partnered with another intern to create automated data visualizations, providing actionable insights for sales performance and customer engagement.

EDUCATION

Master of Science in Computer Science (Data Analytics)

Rajagiri College of Social Sciences

03/2027

Bachelor of Science in Data Science

Kumaraguru College of Liberal Arts and Science • GPA: 8.9

06/2025

High School Education

CMS Matriculation Higher Secondary School • GPA: 9.1

04/2022

CERTIFICATIONS

Introduction to Python

IBM Career Education Program

Data Analytics with Excel

360DigiTMG

AWARDS & SCHOLARSHIPS

Champ of Data Science Kumaraguru College of Liberal Arts and College	03/2025
Mahatma Gandhi Merit Scholarship Kumaraguru Institutions	03/2025
Mahatma Gandhi Merit Scholarship Kumaraguru Institutions	10/2024
Mahatma Gandhi Merit Scholarship Kumaraguru Institutions	03/2024

PROJECTS

Event Report Automated Generator (In House & Currently Active) Kumaraguru College of Liberal Arts and College	02/2025 - 04/2025
<ul style="list-style-type: none">• Designed and deployed a university event report generation system, actively used by faculty and staff across departments.• Developed a dynamic, real-time form builder with live preview functionality using FastAPI and HTML5.• Integrated DOCX document processing to generate professional-grade reports adhering to university formatting standards.• Built a fully responsive UI with TailwindCSS, ensuring seamless device usability.• Optimized the report generation process, reducing turnaround time from hours to minutes without compromising quality.	
Anomaly Detection Using ResNet-50 (Capstone Project) Kumaraguru College of Liberal Arts and College	12/2024 - 03/2025
<ul style="list-style-type: none">• Developed an AI-powered anomaly detection system for defect classification in bottles and hazelnuts using ResNet-50, a deep learning model pretrained on ImageNet.• Achieved 87% accuracy for bottles and 94% accuracy for hazelnuts, improving defect detection efficiency in industrial settings.• Implemented data balancing techniques, improving anomaly classification by reducing bias towards normal samples.• Fine-tuned model performance using Adam optimizer, early stopping, and learning rate scheduling to enhance generalization.• Designed and deployed a Flask-based web application with a highly responsive UI for real-time defect classification and visualization.	
Smart Academic Documentation & Result Analysis Automation Kumaraguru College of Liberal Arts and College	12/2024 - 03/2025
<ul style="list-style-type: none">• Developed an algorithm-driven report generator, automating the creation of event documentation (workshops, field visits, masterclasses) in under 30 seconds (previously taking 1-2 hours manually).• Built an Admin Panel for managing departments, faculty assignments, and workload distribution.• Optimized mark-splitting operations, reducing a 2-3 hour manual process to just 1-2 minutes using efficient batch processing.• Designed dedicated HOD and Faculty pages to generate real-time result analysis and structured reports with minimal input.• Ensured seamless data management with structured workflows for academic record-keeping, reducing errors and improving efficiency.• Implemented role-based access control to enhance security and ensure user-specific functionalities.• Developed a fast and intuitive UI using Flask, enabling smooth operation and accessibility for academic users.	

Automated Semester Marklist Processor for Controller of Examinations (In House & Currently Active)

03/2025 -
03/2025

- Designed and deployed a Streamlit-based web platform for the Controller of Examinations to process semester marklists of **1,400+ students** across **14+ departments** and **3 academic batches**.
- Developed a custom algorithm to **clean raw, unstructured Excel datasets**, insert headers, and automatically **split data departments- and batch-wise**, eliminating manual intervention.
- Reduced data processing time from **2+ hours** to **under 2 minutes**, with output delivered as a structured ZIP file containing formatted Excel documents.
- Enabled **efficient data analysis and archival** by producing clean, analytics-ready datasets for administrative and academic review.

Data-Driven Bliss: Analyzing the Wellness Enhancements of Yoga Practice

07/2023 - 10/2023

- Conducted in-depth data analysis on the impact of yoga on mental and physical well-being, focusing on both experienced practitioners and nonpractitioners.
- Identified key factors such as mental clarity, stress reduction, and flexibility improvements associated with regular yoga practice.
- Presented insights on barriers to yoga adoption, highlighting the need for tailored awareness and education programs to encourage broader participation.
- Demonstrated multifaceted approaches to enhancing well-being, promoting yoga as a solution while recognizing the importance of alternative wellness paths.

SKILLS

Programming : HTML, CSS, JavaScript, Python, R, Java, C

Frameworks: Flask, FastAPI, Node, Streamlit, TailwindCSS

Data & Visualization: Pandas, NumPy, Matplotlib, Excel Automation

Concepts: Data Cleaning, Workflow Automation, ETBR Analytics, Deep Learning (ResNet-50), Role-Based Access