

RADHIKA DAITHANKAR

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SUMMARY

AI-focused technology builder with experience across AI/ML, software development, data, and product development. Experienced in building technology solutions for real-world problems, combining engineering knowledge with product thinking and problem-solving. Entrepreneurial and hands-on, with experience leading technology initiatives and taking products from idea to implementation.

EDUCATION

Master of Science in Artificial Intelligence

Queen Mary University of London, UK (Sept 2022 – Sept 2023)

- Specialized in machine learning, computer vision, and robotics
- Conducted academic research on AI applications
- Gained hands-on experience with training machine learning and deep learning algorithms.

Bachelor of Technology in Computer Science

MGM's Jawaharlal Nehru Engineering College, Aurangabad, India (Aug 2017 – Aug 2021)

- Coursework in data structures, algorithms, software engineering, and databases
 - Participated in tech events and group projects to build teamwork and leadership skills
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WORK EXPERIENCE

Managing Director

CIS | Nov 2025-Present

- Leading organizational and technology initiatives with a focus on digital transformation and innovation.
- Working on technology-enabled solutions for the school ecosystem and improving operational workflows through digital products.
- Involved in identifying problems, developing solutions, and driving their implementation.

Data Science Intern

The Developers Arena (Mar 2025 – Sept 2025)

- Cleaned, transformed, and analyzed datasets using Python, NumPy, Pandas.
- Performed EDA and statistical testing to extract insights and validate hypotheses.
- Built and evaluated machine learning & deep learning models (Regression, Random Forest, CNN, RNN).
- Completed an end-to-end project, including model deployment

Data Analyst

JSYSC Holdings Ltd. (April 2024 – June 2025)

- Analyzed sales, POS, and inventory data using Python, SQL, and Excel to identify patterns and improve efficiency.
- Applied forecasting techniques to predict demand and optimize staffing schedules.
- Automated data cleaning and reporting processes, reducing manual work and improving accuracy.
- Provided data-driven insights that supported business decisions and operational improvements.

Data Science Intern

Unified Mentor Pvt. Ltd. (Feb 2024 – Aug 2024)

- Cleaned and preprocessed real-world datasets, resolving missing and inconsistent values
- Conducted exploratory data analysis and built ML models with hyperparameter tuning
- Created visualizations using Tableau and Matplotlib to present insights and support team collaboration

Web Developer

Voran Services Pvt. Ltd. (Feb 2021 – Feb 2022)

- Developed responsive websites using Bootstrap and modern front-end technologies
 - Contributed to application development using Flutter for efficient cross-platform mobile solutions
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PROJECTS

School Operations & Parent Engagement Platform

- Built a centralized school platform that digitizes and streamlines academic, administrative, attendance, communication, fee, and parent-engagement workflows.
- Developed role-based experiences for teachers, parents, and operations staff, covering attendance, homework, assessments, behavior tracking, leave, notices, fee management, student records, timetables, calendars, and parent-teacher appointments.
- Implemented secure attendance using dynamic QR codes refreshed every 15 seconds with a 100-meter campus-radius restriction for teachers, alongside AI-powered attendance capabilities.
- Enabled teachers to publish appointment availability and parents to book designated slots, reducing classroom interruptions and unplanned visits.
- Designed real-time parent notifications triggered by attendance submission, giving parents immediate visibility into their child's presence on campus.
- Integrated operational tools for student management, fee collection/updates, and school-wide communication, creating a unified digital workflow for school administration.

Deep Neural Networks for Image Classification

- Compared ResNet18 and VGG13 architectures for image classification using the MNIST dataset.
- Evaluated model performance and explored deep learning approaches for image recognition.

Unsupervised Learning with GANs

- Implemented a basic Generative Adversarial Network to understand generative and unsupervised learning techniques.

Panda Robot Manipulator

- Developed a ROS package to generate Cartesian-space movements for the Panda robot manipulator.
- Enabled the robot end-effector to autonomously draw geometric shapes.

Gesture-Controlled Wheelchair

- Designed an Arduino-based wheelchair controlled through hand gestures.
- Applied machine learning and embedded systems concepts to develop an accessibility-focused solution.

TECHNICAL SKILLS

Programming: Python, SQL, HTML, CSS

AI / Machine Learning: Machine Learning, Deep Learning, PyTorch, Scikit-Learn, Computer Vision

Data & Analytics: NumPy, Pandas, SciPy, Tableau, Excel, Matplotlib, Seaborn

Application Development: Flutter, Bootstrap, ROS

Product & Technology: Product Development, AI Product Development, Software Development, Automation, Data-Driven Problem Solving

Tools & Platforms: Linux, Windows, macOS