Aditi Arvind Dhaygave

B.Tech (Artificial Intelligence and Data Science)

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Education

06/2019 – 06/2020
Bibwewadi, Pune, India

ICSE (Class X), *Kline Memorial School of UBS*

09/2020 – 04/2023

Diploma in Information Technology,
MIT WPU School of Polytechnic and Skill development

- Completed a 3-year diploma in Information Technology with a focus on programming, networking, and software development.
- Developed practical skills through hands-on projects in database management, web development, and computer hardware.

05/2023 – 06/2026
Pune

B.Tech in Artificial Intelligence and Data Science,
MIT World Peace University (MIT-WPU)

- Pursuing a comprehensive curriculum covering machine learning, deep learning, data analytics, and AI frameworks.
- Actively involved in hands-on projects and real-world problem-solving as part of coursework.
- Currently in 7th semester; holding an internship as an AI Intern to gain practical, industry-oriented experience.

Experience

06/2022 – 08/2022
Pune

Web Development Intern, *Elite Software*

- Assisted in designing and developing responsive web pages using HTML and CSS.
- Gained hands-on experience in front-end development and real-world software development practices.
- Contributed to team meetings, code reviews, and debugging sessions to improve project outcomes.

06/2025 – 12/2025
Pune

AI Intern, *LegaLogic Consulting*

- Developing an in-house custom AI-powered search bot to streamline knowledge retrieval for the organization.
- Building an AI note-taker tool designed to automate meeting transcription and summary generation for improved productivity.
- Collaborating with cross-functional teams to integrate AI solutions into daily business operations.

- Gaining hands-on experience in natural language processing, conversational AI, and project management in a real-world consulting environment.

Skills

Hard Skills
- Data Analysis
- Statistical Modeling
- ML/DL Algorithms
- Problem Solving
- Research

Technical Skills
- Programming: Python, C, SQL, Java
- Tools: Jupyter, VS Code, Git, Docker
- AI/ML Libraries: TensorFlow, Scikit-learn, Pandas, NumPy, Fastapi
- Web Development: HTML, CSS, JavaScript, React

Data Science & AI Skills
- Model Development
- Natural Language Processing
- Computer Vision
- Data Preprocessing
- Model Evaluation

Soft Skills
- Team Collaboration
- Communication
- Time Management
- Adaptability
- Project Management

Projects

08/2025 – 08/2025

Role-Based Dashboard in React,

Admin and Employee Dashboard Interface for Triaxis

- Designed and implemented a React-based role-specific dashboard with distinct views and functionalities for admin and employee users.
- Developed interactive UI components for data visualization, task tracking, and user management as per role requirements.

03/2025 – 05/2025

AI Health Assistant Bot,

Disease Prediction & Recommendation System Using ML & ANN

- Developed an intelligent health assistant capable of predicting diseases based on user-input symptoms using machine learning and artificial neural networks (MLP).
- Implemented data preprocessing steps such as cleaning, removing duplicates and null values, and encoding features for optimal model training.
- Utilized multiple algorithms (Random Forest, Gradient Boosting, KNN, SVM, Naive Bayes, MLPClassifier) to evaluate and compare predictive performance.
- Created an interactive Python bot that provides disease information, relevant precautions, recommended diet, medications, and suggested workouts for the user.
- Visualized and analyzed model performance using classification metrics and confusion matrices, ensuring robust and accurate results.

01/2025 – 05/2025

Wildfire Risk Prediction Using CNN and Satellite Imagery,
Deep Learning-Based Wildfire Classification & Interpretability

- Built and trained a CNN classifier using Keras and TensorFlow to distinguish between wildfire and no-wildfire satellite image patches.
- Logged model training metrics in TensorBoard for performance monitoring and optimization.
- Saved trained models and generated CSV predictions on the test dataset for further analysis.
- Implemented Class Activation Maps (CAM/Grad-CAM) to visualize model attention and improve interpretability of wildfire risk predictions.

Interests

Virtual Reality (VR) and Augmented Reality (AR) Experiments, Data Visualization, Watching/Reading Science Fiction, Chess & Strategic Games, Exploring latest AI and data science research

Courses

02/2025 – 02/2025
Pune

Data Fundamentals, *IBM-SkillsBuild*
Gained foundational knowledge in data concepts, including data types, data processing, storage, and interpretation.

Hackathons & Challenges

HackMIT-Hackathon 2023
Presented "CamCity" at Hackathon 2023 Ideathon, proposing an automated smart building solution using CCTV to detect room occupancy. The system efficiently turns off lights and fans when no person is detected, aiming to optimize energy consumption and promote sustainable practices through real-time monitoring and automation.