Heet Dobariya

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Profile

I am Heet Dobariya, a dedicated Computer Engineering student with a strong passion for Machine Learning, AI, and IoT. I have built several AI-powered applications using various machine learning models. Through my projects and internships, I have gained hands-on experience in developing chatbots, predictive systems, and data analysis tools. I have strong communication skills in English, Hindi, and Gujarati. I am eager to apply my skills to build and improve AI solutions while expanding my knowledge in large language models and machine learning.

Education

Pandit Deendayal Energy University — Gandhinagar, Gujarat
Bachelor of Technology in Computer Science, Minor in Internet of Things — *Sep. 2022 – May 2026*
CGPA: 9.5

Ashadeep International School — Surat, Gujarat
Higher Secondary Education — *Aug. 2020 – May 2022*

Experience

Data Science Intern — Feb 2025 – Present
Blink Analytics — *Ahmedabad, Gujarat*

- Working on an LLM-based client project, fine-tuning large language models and optimizing NLP pipelines.
- Gaining hands-on experience in RLHF and SFT to enhance AI model performance.
- Developing and test data-driven solutions for real-world applications.

Content and Documentation Head — May 2024 – Present
Mind Ripple, Pandit Deendayal Energy University — *Gandhinagar, Gujarat*

- Composing and managing communication, proposals, and event documentation.

AI/ML Intern — May 2024 – June 2024
Nexus Info — *Coimbatore, Tamil Nadu*

- Programmed "TravelGuru" chat-bot and "EduAdvisor" for travel guidance and college admission.
- Designed a disease prediction system using machine learning techniques to improve diagnostic accuracy.

Projects

Hackathon Project: Radiation Impact Predictor (RIP) | *Python, Flask* | GitHub Link

- Built a Logistic Regression model using scikit-learn to predict space radiation effects, incorporating accuracy metrics and confusion matrix analysis.
- Developed a Flask-based web interface with data visualization capabilities for real-time radiation risk assessment and model predictions.

Disease Prediction System | *Python, Streamlit, ML Classifiers* | GitHub Link

- Devised a multi-model disease prediction system using SVM, Naive Bayes, and Random Forest classifiers with comprehensive data preprocessing.
- Launched a Streamlit interface with matplotlib and seaborn visualizations for symptom-based predictions and model performance analysis.

TravelGuru | *Python, API, Streamlit* | GitHub Link

- Engineered a travel recommendation system powered by Gemini API, implementing features for personalized trip suggestions based on user preferences.
- Created an interactive Streamlit interface for seamless retrieval of travel details, including itineraries, booking platforms, and local recommendations.

EduAdvisor | *Python, API, Streamlit* | GitHub Link

- Architected college admission guidance chat-bot using Gemini API, featuring custom recommendations for degrees and institutions.

- Implemented real-time QnA capabilities in Streamlit for personalized admission guidance, including requirements and deadline information.

Crop Management System | ***ESP32 Microcontroller, Arduino IDE, SMTP Protocol, Arduino Cloud Dashboard***

- Developed an ESP32-based monitoring system with sensors for temperature, humidity, light, and soil moisture; implemented email alerts and real-time data visualization using Arduino Cloud

Car Fleet Management System | *Python, SQL* | GitHub Link

- Formulated a SQL-based system for vehicle, driver, and maintenance management to optimize fleet operations.

Certifications

Graduate Aptitude Test in Engineering (GATE) – Data Science and AI (DA) March 2025

- Secured AIR 3876 with a GATE Score of 432 and Marks: 36/100.

Advanced Learning Algorithms (Stanford Online) April 2024

- Learned building and training neural networks using TensorFlow for multi-class classification tasks.
- Applying best practices in machine learning development to ensure models generalize well to real-world data and tasks.
- Gaining a foundational understanding of modern machine learning techniques, including supervised learning and unsupervised learning.

Supervised Machine Learning (Stanford Online) March 2024

- Practiced key regression and classification techniques, including multiple linear regression, polynomial regression, and logistic regression.

Python for Machine Learning (Great Learning) May 2023

- Mastered the use and implementation of different python libraries like pandas, NumPy and Matplotlib for ML models.

Technical Skills

Languages: Python, C, C++, Java, SQL
Developer Tools: GitHub, Cisco Packet Tracer, Arduino IDE, TinkerCAD, Oracle VirtualBox, Databricks
Libraries: pandas, NumPy, Matplotlib, Tensorflow, Keras, Scikit-learn

Interests and Hobbies

Technical: Competitive Programming, Machine Learning
Non - Technical: Gym, Drawing, Badminton, Traveling