

NITI AGNIHOTRI

B.Tech in Artificial Intelligence and Machine Learning | DPGITM Engineering College, Gurugram
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CAREER OBJECTIVE

Computer Science student with a passion for AI/ML and web development, driven to craft smart, real-world solutions through innovative tech.

EDUCATION

| Degree / Class | Institute / Board | Year |
|---------------------------------|--------------------------------------|-----------|
| B.Tech – AIML | DPGITM Engineering College, Gurugram | 2022–2026 |
| Senior Secondary (XII), Science | Summer Fields School, CBSE | 2022 |
| Secondary (X) | Summer Fields School, CBSE | 2020 |

EXPERIENCE

- Design and Research Trainee, Thrust Tech India Pvt. Ltd (Remote) — May 2024 – Present
 - Worked on CAD modeling, prototype testing, and design optimization
- Campus Executive Intern, E-Cell IIT Bombay — Aug 2023 – Jan 2024
 - Organized webinars, promoted entrepreneurship, and increased student participation
- Crowdfunding Intern, Inamigos Foundation — Mar 2023 – Apr 2023
 - Created content, managed campaigns, and communicated with donors

PROJECTS

- Map-a-Doodle – Interactive Map Web App (HTML, CSS, JS, Leaflet.js, OpenStreetMap)
 - Built an interactive map app with geolocation support and drawing tools.
 - Designed with responsive layout and dynamic user input features.
- Handwritten Digit Prediction (Python, TensorFlow, Keras, MNIST)
 - Designed a CNN model for real-time handwritten digit recognition with high accuracy.
 - Implemented live prediction functionality using a clean and interactive interface.
- Spam Detection Web App (Python, Flask, MySQL)
 - Built a web app to detect spam in messages/calls using natural language processing.
 - Stored user inputs and prediction logs in MySQL for tracking and analysis.
- Gharkenushke – Traditional Remedy Recommendation System (Python, Sklearn, NLP, TF-IDF, SMOTE, XGBoost)
 - Developed a personalized remedy recommendation system based on user health concerns, gender, and ingredients.
 - Achieved over 85% model accuracy and >0.82 similarity score for recommendations.

SKILLS

Programming Languages: Python, Java, HTML5, CSS3, JavaScript, SQL

Machine Learning & AI:

TensorFlow, Keras, scikit-learn, XGBoost, SMOTE, Natural Language Processing (NLP), TF-IDF

Web Development:

Flask, MySQL, Node.js, ReactJS, Leaflet.js, OpenStreetMap APIs

Tools & Technologies:

Excel, Git, VS Code, CAD Modeling (from Thrust Tech experience)

Soft Skills:

Public Speaking, Technical Communication, English, Team Coordination

CERTIFICATIONS

- IoT Workshop – NIT Kurukshetra (Oct 2023): Built IoT-based fire and patrol car system
- Rocket Modelling Workshop – ISRO-IITR x Thrust Tech India