

## 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   Score
B.Tech – AIML	DPGITM Engineering College, Gurugram	2022–2026   GPA: 7.0
Senior Secondary (XII), Science	Summer Fields School, CBSE	2022   73%
Secondary (X)	Summer Fields School, CBSE	2020   90.5%

### 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