

**Hello,
I am Rajneel Chougule.**

Education: SIES Graduate School Of Technology

**Bachelor of Engineering in Artificial Intelligence and Machine Learning
Expected Graduation: [2026]**

Objective:

AIML student seeking to apply and expand my skills through real-world projects and research. Committed to leveraging AI and ML to solve complex problems and contribute to innovative solutions in the field.

Skills:

- **Programming: Python, HTML, JavaScript, Node.js, React**
- **Machine Learning & AI: Basic ML Algorithms, Autoencoders, CNN, RNN, GAN's**
- **GENAI: Whisper.ai, Meta.ai**
- **Data Visualization: Scikit Learn, Pandas, Numpy, Matplotlib, Seaborn**
- **Web Development**
- **Communication and Leadership**

Projects:

- 1. House Price Prediction using Linear Regression**
 - **Developed a data visualization and prediction model for house prices**
 - **Implemented linear regression algorithm to forecast property values**
 - **Utilized Pandas, Matplotlib, Scikit-learn, Seaborn**
- 2. Synapse - AI Pipeline Recommendation Tool**
 - **Contributed to the development of Synapse, an AI-powered tool**
 - **Implemented algorithms to recommend suitable questions based on user accuracy and skills**
 - **I was a Coordinator in this project.**
- 3. Lane Detection Model for PC Car Game (Ongoing)**
 - **Developing a computer vision model to detect lanes in a PC car game**
 - **Implementing lane detection algorithms to keep the car within road boundaries**
 - **Currently working on integrating neural networks to improve model performance**

Certifications:

1. Python Course - Indian Institute of Technology Bombay (IIT B)
2. Deep Learning Workshop
3. Mostly Learned from Youtube Videos and Books Like
 - 100 Pages Machine Learning - Andriy Burkov
 - The Little Book of Deep Learning - François Fleuret
 - lecture notes from Stanford's CS229 course

Experience:

1. Tech Team Member, ARENA SIESGST
 - Contributed to website development
2. Member, E-Cell SIESGST

Extracurricular Activities:

1. Active participation in GenAI and ML tech events
2. Technical Blogger
 - Recently started a technical blog focusing on the intersection of engineering mathematics and machine learning
 - First post explores the relationship between Lagrange interpolation (Sem 4 Engineering Mathematics) and Support Vector Machines

Online Presence:

- Blog: <https://rajneelchougule.hashnode.dev/>
- LinkedIn: <https://www.linkedin.com/in/rajneelchougule/>
- Github: <https://github.com/rajneel18>

Personal Interests:

- Artificial Intelligence and Machine Learning (AIML)
- Computer Vision (CV)
- Deep Learning
- Web Development to host ML models