

PRACHI GUPTA

Third Year (B.Tech)
Electronics & Communication
Engineering at NIT Mizoram
CGPA: 9.37 till 4th Sem

GET IN TOUCH

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ACADEMIC BACKGROUND

National Institute Of Technology Mizoram

B.Tech , Dec 2021 - May 2025

Dept. of Electronics and

Communication Engineering CGPA

- 9.37 till 4th Sem

Sant Atulanand Convent School, Varanasi

12th-CBSE, Mar 2020

Science (PCM)

Percentage - 89.60%

Sant Atulanand Residential Academy, Varanasi

10th-CBSE, Mar 2018

Percentage - 88.66%

COURSEWORK | SKILLS

Machine learning
Operating System
Web development
Computer Networks
Database management
Data Structures and algorithm
Computer Organization and Architecture

LANGUAGES AND FRAMEWORK

C, C++, Python, SQL, HTML, CSS,
JavaScript, node.js, react, express,
mongo DB,

DEVELOPER TOOLS

Visual Studio, Google Cloud Console,
Jupyter Notebook, PyCharm, Google
Collaboratory, MongoDB compass,
MongoDB atlas, AWS

EXPERIENCE

BACKEND AND ML DEVELOPER

FIST, IIT PATNA - DRIVUUM

(MAY'23 -JUL'23)

- Developed end-to-end web applications as a Backend Developer using NodeJS, Express, MongoDB and API.
- Utilized machine learning techniques to analyze and extract insights from large datasets, contributing to the enhancement of the company's algorithms and models.

SUMMER RESEARCH INTERN

IIT (BHU) Varanasi

(MAY'23 – PRESENT)

- Working under the supervision of Dr. Om Jee Pandey from Electronics Engineering department on application of Machine Learning in Data routing of UAVs.
- Using a combination of Ant Colony Optimization (ACO) and Reinforcement Learning (RL) algorithms which enhance the efficiency and effectiveness of data routing in UAV networks.

PROJECTS

VIDEO CONFERENCING WEBSITE

(APR'23-MAY'23)

| Bootstrap, NodeJS and MongoDB

- Developed a video conferencing website with Bootstrap, Node.js, Express, and MongoDB. Implemented real-time video and audio streaming, chat functionality, and user authentication for a secure online meeting experience with an impressive uptime of 99.9%.

IMAGE SEARCH ENGINE

(JAN'23-FEB'23)

| JavaScript and API

- Built an image search engine to retrieve and display relevant images based on user queries. Implemented search filters, pagination, and responsive design for optimal user experience with average API response time of 200 milliseconds and 10,000+ monthly active users.

GESTURE VOLUME CONTROL

(JUL'22-AUG'22)

| OpenCV, Mediapipe and Pycaw

- A Computer Vision project which changes the volume according to the movement of fingers. The volume changes as the distance between the index finger and thumb varies with 100% accuracy.

ACHIEVEMENTS | EXTRACURRICULAR

- Selected for Machine Learning Research Internship at [IIT Delhi](#) and [NIT Trichi](#) for Summer 2023.
- Solved 150+ questions on [LeetCode](#) and [CodeChef](#).
- Achieved 1st rank in 3rd semester and 2nd rank in 4th semester in my whole department.
- Mood Indigo Squad Member at [IIT Bombay](#) 2022.
- 3rd Runner up in Essay writing competition at [NIT Mizoram](#) 2023.
- Hosted and emceed the Freshers Eve event, engaging a large audience and creating a lively atmosphere.

CERTIFICATIONS

- Accomplished a [Google](#) and [Microsoft](#) course on machine learning using Python and Sklearn.
- Completed a course on Machine learning from [Internshala](#).