NISHITA NITIN GAIKWAD

Undergraduate, B.Tech Mechanical Engineering

NIT Jalandhar

Gender – Female

 DOB – 28/07/2005

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PROFESSIONAL SUMMARY & CAREER OBJECTIVE

Highly motivated Mechanical Engineering undergraduate with a robust background in AI/ML, IoT, and full stack web development. I have a proven track record of successfully leading technical projects, achieving quantifiable results (e.g., reducing system response times by 30% and improving data retrieval by 40%), and excelling in competitive academic and technical environments. My key skills include software integration, hardware interfacing, and rapid problem-solving—essential for roles in technology-driven product development and innovation.

Career Objective: Seeking an engineering role in a forward-thinking organization where I can apply my technical expertise and leadership skills to develop innovative solutions that enhance operational efficiency and safety, and drive significant business impact.

EDUCATION

Dr. B R Ambedkar National Institute of Technology, Jalandhar B.Tech in Mechanical Engineering | *2023 – Present*

Arya Gurukul (CBSE Board)

- **Intermediate (PCM with CS):** *2022 – 2023* | **88.80%**

- **Matriculation:** *2020 – 2021* | **94.40%**

TECHNICAL SKILLS

Programming Languages:

- C, Java, Python, HTML, CSS, JavaScript, ReactJS , Node.js, Dotnet, C#

Software & Tools:

- Git, Bash, MATLAB, SolidWorks, ANSYS, AutoCAD (2D & 3D), MySQL, MS Office, Tinkercad, Animaker

Frameworks, Libraries & Environments:

- IDLE, Jupyter Notebook, CodeBlocks, NumPy, Pandas, Matplotlib, Seaborn, Flask   **Cloud Technologies:** AWS, Netlify, Streamlit

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PROJECTS & CONTRIBUTIONS

Leave Management System *(2025)*

- **Objective:** Develop a system to automate the previous manual time taking procedure of taking and managing leaves of the employees. React.js and Mysql is used with dynamic changing background using css and smooth user interaction also graphical representation for easy access.

IoT-Based Disaster Management System for Avalanche Safety *(2023 – Ongoing)*

- **Objective:** Develop an AI/ML-powered IoT system that integrates sensors and real-time alerts to mitigate avalanche risks. Coordinated a team of 10 members to ensure seamless hardware and software integration simultaneously upskilling Teamwork, Leadership and dedication qualities

Fire Alarming System with Healthcare Integration *(2024)*

- **Objective:** Create a Python-driven IoT solution for immediate detection of fire incidents and associated health emergencies. Implemented communication protocols enhancing sensortoresponder connectivity. .

Library Management System *(2023)*

- **Objective:** Design a scalable resource management system using Python and MySQL for efficient book tracking.

Sweet Shop Management System *(2024)*

- **Objective:** Develop a point-of-sale and inventory management system using C. Created billing algorithms that has potential to decrease checkout times by 30**%** during peak hours.

Virtual Labs for Mechanical Department *(2024 – Ongoing)*

> **Objective:** Establish an interactive web platform to simulate mechanical engineering experiments. ○ Led front-end development with HTML, JavaScript, and CSS, enhancing remote lab access.

Interactive Calendar System *(2025)*

> **Objective:** Develop a dynamic web-based calendar with AWS integration for efficient scheduling. ○ Managed both front-end development and cloud deployment to ensure a high uptime, scalable solution.

Personal Chatbot System *(2025)*

- **Objective:** Design an AI-driven chatbot to automate customer interactions. Contributed to developing and training algorithms, resulting in active user engagement.

E-commerce Website Clone *(2023)*

- **Objective:** Replicate key e-commerce functionalities using modern web development techniques. Handled front-end development.   .

EXPERIENCE

Diverse Infotech Pvt.Ltd, Gurugram (June 2025 – Aug 2025)

- **Role:** Full-Stack Web Development Intern (Project – Leave Management System)

Agnirva Space - Internship Program *(Oct 2024 – Dec 2024)*

- **Role:** Intern

CERTIFICATIONS

- **Machine Learning:** Gained proficiency in Supervised and unsupervised learning, model evaluation, and Python-based ML implementation, Certified by Internshala and NSDC(Grade B) – (Dec 2024 – Jan 2025)
  NSDC Certificate | Completion Certificate

SCHOLASTIC ACHIEVEMENTS

- **TECHNEX Representation:** Represented NIT Jalandhar at TECHNEX (IIT BHU) – *2025*

- **Hackathon Participation:** Competed in Skill India Hackathon (SIH) – *2023, 2024*

- **Technological Fellowship:** Qualified Stage 1 of Algo University Technological Fellowship (ATF) – *2024* (selected among **20,000+** applicants)

- **Competitive Exam Performance:** Achieved **Qualifying Percentile** in JEE Mains in 1st attempt

- **Academic Rankings:** Consistently ranked in the Top 5 during Matriculation & Intermediate – *2021, 2023*

- **STEM Competitions:** Runner-up in STEM competitions – *2021, 2023*

- **NDA Achievement:** Cleared NDA Written Exam on first attempt – *2023*

EXTRACURRICULAR ACTIVITIES

- **Prayaas:** Active member contributing to community initiatives *(2024 – Ongoing)*

- **Club Involvement:** Member of CDAO & WDSC Club *(2023 – 2024)*

- **Publications:** Contributor to Hindi magazine *Parikrama* (NIT Jalandhar) *(2024 – 2025)*

- **SSB:** SSB Recommended *(2024)*

- **NCC:** Awarded NCC Air Force A Certificate (A Grade) *(2019 – 2020)*

- **Scout & Guide** *(2014 – 2016)*

- **Spell Bee International**: Awarded Junior Bronze Medal *(2016 – 2017)*

- **Sports:**

  o Represented district in Volleyball & Handball (achieved 2nd place at Taluka level)

  (2016-19)   o State-level Rifle Shooting representative with Gold in district

  competitions *(2016-22)*

LANGUAGES

- Hindi, Marathi, English

HOBBIES

- Dance, Poetry Writing, Rifle Shooting, Volleyball, Handball