

# DAYANAND

## EXPERIENCE/ WORK EXPERIENCE

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### Sabudh Foundation – Mohali, India

#### Data Science Intern

Jan 2025 – Jun 2025

- Worked on real-world datasets to apply machine learning and deep learning models for classification, regression, and clustering tasks
- Built and evaluated Natural Language Processing (NLP) pipelines for text preprocessing, sentiment analysis, and intent classification
- Gained hands-on experience with foundational concepts of Large Language Models (LLMs) and their use in text summarization and chatbot building
- Created dashboards and performed automated data workflows using Dataiku, enabling non-technical stakeholders to access insights
- Performed data extraction and transformation using SQL and MongoDB for structured and unstructured data
- Solved 100+ problems in Data Structures & Algorithms (DSA) to strengthen algorithmic thinking and coding skills

### Guru Nanak Dev Engineering College (GNDEC) – Ludhiana, India

#### Trainee – IT Administration (Ubuntu/Linux Basics)

Jun 2024 – Jul 2024

- Gained hands-on experience with Ubuntu/Linux system commands, networking basics, shell scripting, and basic administration tasks
- Installed and configured system-level packages, managed user accounts, and monitored system resources

### Infosys Springboard – Bengaluru, India

#### Trainee – React.js

July 2023-Aug 2023

- Built a responsive and dynamic frontend for the Food Delivery Website using React.js implemented reusable components for menu display, cart management, and real-time order tracking
- Utilized React Router for seamless navigation and React Hooks to manage state and side effects, enhancing user interaction and performance on the client side

### E & ICT Academy, IIT Kanpur – Ludhiana, India

#### Trainee – Programming in C++

Jul 2022 - Sep 2022

- Completed 4-week online training + 2-week project work on C++ programming fundamentals and object-oriented concepts
- Designed and implemented a Bank Management System as a mini-project with features like account creation, transaction management, and authentication

## LEADERSHIP/PROJECTS

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### AI for Smart Home- Sabudh Foundation, India

#### Project Lead

March 2025 – Present

- Collected real-time energy data from NASA and household consumption sources to build predictive models
- Trained ML and LSTM models to forecast energy usage; deployed solution using FastAPI for smart home integration

**Key Outcome:** Enabled real-time energy insights for automated household energy management

### Food Delivery Website – Ludhiana, India

Aug 2024 – Dec 2024

Built a responsive frontend using React.js with secure user authentication, real-time order tracking, and cart management

- Developed RESTful APIs with Node.js and Express.js; managed data with MongoDB for users, products, and orders
- Integrated Stripe for secure payment processing and implemented an admin panel to manage orders and performance tracking

**Key Outcome:** Delivered a fully functional end-to-end food delivery platform with real-time user interaction and payments

### **Text-to-Image Generator – Ludhiana, India**

- Built a text-to-image generation model using advanced deep learning frameworks to convert textual input into realistic images
  - Implemented in Python with focus on neural network design, model training, and output visualization
- Key Outcome:** Successfully generated visually coherent images from descriptive text, showcasing strong grasp of ML and deep learning

### **YouTube Clone – Ludhiana, India**

- Built and deployed a YouTube clone using React.js, Tailwind CSS, and RapidAPI to enable video search and playback functionality
  - Optimized frontend performance for fast loading and responsiveness, achieving a 98% Lighthouse performance score on Vercel
- Key Outcome:** Delivered a responsive and feature-rich video streaming platform with near-native user experience

## **SKILLS**

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### **Technical Skills**

Python, C/C++ ,JavaScript, Matplotlib, Pandas, Numpy , Seaborn , Flask, Django, FastApi, MongoDB, MySQL  
HTML5, CSS3, JavaScript, React js, Tailwind CSS, Bootstrap, Node js, Expresss js

### **Management Skills**

Time Management, Communication Skills, Project Management

### **Languages**

Fluent in English, Hindi, Punjabi

## **CERTIFICATIONS & TRAININGS**

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- Data Science Certification by Sabudh Foundation- Jan 2025 – June- 2025
- IT Administration Basics (Ubuntu) – Guru Nanak Dev Engineering College, Ludhiana – Jun 2024 – Jul 2024
- React.js Training – Infosys Springboard, Bengaluru – Jul 2023
- Programming in C++ – E & ICT Academy, IIT Kanpur – Jul 2022 – Sep 2022

## **EDUCATION**

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### **Guru Nanak Dev Engineering College , Ludhiana , Punjab**

July 2021 - May 2025

Bachelor of Engineering, Computer Science; GPA: 8.3

12th Govt. Sen. Sec. School, Shahpur Kandi T/S, Pathankot

April 2019- March 2020

Stream: Non-Medical , Percentage: 88.8

10th Govt. Sen. Sec. School, Ucha Thara , Pathankot

April 2018 - March 2019

Percentage: 70

## **PERSONAL INFORMATION**

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Github :- <https://github.com/dayanand7031>

## **ACHIEVEMENTS**

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- Awarded with Gold medal in inter-year volleyball competition
- Finalist at IIT ROORKEE technical fest -cognizance IDEAZ.