

Karmveer Kumar

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Summary — Third-year Electrical Engineering undergraduate at NIT Hamirpur with a keen interest in both core engineering and IT domains. Proficient in C++ with a focus on Data Structures and Algorithms, along with working knowledge of web development and SQL. Quick to learn, adaptable, and eager to contribute to meaningful projects through internship opportunities.

Skills

- Programming & Scripting:** C++, Python, HTML, CSS, JavaScript
- Development Tools:** VS Code, Git, GitHub, LaTeX, MATLAB, LTSpice
- Data Structures & Algorithms:** Proficient in C++
- Databases & Backend:** SQL, Flask(Python)
- AI & Productivity Tools:** ChatGPT, DeepSeek, Gemini

Experience

- CodSoft**
Machine Learning Intern
- July 2025 – August 2025
Online
- Completed a 4-week virtual internship focused on applied machine learning.
 - Developed four projects: Credit Card Fraud Detection, Spam SMS Detection, Churn Prediction, and Movie Genre Prediction.

Education

- National Institute of Technology, Hamirpur**
Bachelor of Technology in Electrical Engineering
- 2023 — 2027
CGPA: 9.2
- Class 12th**
R.K.K College
- 2020 — 2022
Percentage: 82.40 %
- Class 10th**
Bijendra Public School
- 2019 — 2020
Percentage: 96.00 %
- Achievements**
 - Selected for Smart India Hackathon 2024 and ranked 7th in internal Hackathon in overall collage.
 - Cleared National Defence Academy (NDA) written exam and qualified for SSB interview. Attended 5-day selection process at 3 AFSB (Air Force Selection Board), Gandhinagar
- Certifications**
 - Online Internship in Machine Learning — CodSoft (July 2025 – August 2025)

Projects

- Library Management System**
- June 2025 – June 2025
- Developed a full-stack Library Management System using HTML/CSS, Flask, and MySQL.
 - Implemented secure login/signup with role-based access.
- End-Sem Marks Predictor (Kalman Filter)**
- April 2025 – May 2025
- Designed a prediction model using academic and behavioral inputs.
 - Implemented Kalman-filter-based Recursive Least Squares (RLS) for real-time weight updates.
- Fuzzy Logic-Based Smart Braking System**
- April 2025 – April 2025
- Developed an intelligent braking system in MATLAB using fuzzy logic.
 - Designed membership functions and implemented rule-based inference.
- Smart India Hackathon 2024 – Innovation in Tourism Industry**
- August 2024 – Sept. 2024
- Developed a web application to enhance tourism experiences.
 - Implemented the front-end using HTML, CSS, and JavaScript.

Extra-Curricular Activities

- Martial Arts:** Regular fitness enthusiast, committed to physical well-being.

Language

- English (Fluent)
- Hindi (Native)