

SUDEV BASTI

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🐙 [GitHub](#) | 🌐 [Portfolio](#)



SUMMARY

B.E. AIML engineering student with hands-on experience in Python, SQL, and ML frameworks through academic projects and internships. Passionate about building scalable AI solutions and eager to contribute to impactful projects across domains.

PROJECTS

Network Intrusion Detection Using ML - Developed an ML model to detect and classify network intrusions by capturing spatial and temporal patterns in traffic data. Applied feature engineering and hyperparameter tuning to improve accuracy, and evaluated on benchmark datasets. Designed to provide real-time insights into network security threats to strengthen infrastructure protection.

AI-Based Indian Road Pothole Detection - Developed an AI-powered system for detecting potholes on Indian roads, trained on a custom dataset of 2,000+ images with data augmentation for real-world robustness. Achieved 92% accuracy with reduced false positives.

INTERNSHIP - IIIT, Dharwad

Hate Speech Detection Using Machine Learning - Developed a multilingual hate speech detection system for Hindi-English code-mixed social media text. Designed to identify subtle hateful content and misleading posts, the system secured 3rd place in Task A of ICON 2024. Published a research paper detailing the framework and methodology. [PUBLICATION](#) [PROCEEDINGS](#) [CERTIFICATE](#)

Law GPT – LLM-Powered Indian Legal Assistant (Ongoing) - Developing an AI-powered Indian Legal RAG Chatbot using Triple API integration, indexing over 1,02,000 legal documents with automated IPC handling, legal context extraction, optimized prompt workflows, and failover-safe API orchestration for scalable and reliable deployment.

EDUCATION

SDM College of Engineering and Technology, Dharwad.

2022-2026

B.E. in Artificial Intelligence and Machine Learning | CGPA - 7.9 (As of 6th semester)

Indian Institute of Technology (IIT), Ropar

NOV 2024 – DEC 2025

Minor in Artificial Intelligence | [ID CARD](#) | 24102162@scale.iitrpr.ac.in

SKILLS

Programming Languages: Python, C, SQL

Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, OpenCV, Prompt Engineering

Platforms & Tools: Android Studio, Firebase, VS Code, Supabase

Domains: Web Development, Android Development, Machine Learning, Deep Learning, API Integration

Soft Skills: Teamwork, Adaptability, Creativity, Leadership, Time Management, AI-driven Creativity

Languages: English, Kannada, Hindi

Interests: Traveling, Photography, Digital Art, Cricket, Team Sports

EXTRA-CURRICULAR ACTIVITIES

Department Main Coordinator, INSIGNIA 24, SDMCET

Volunteer Trainer for NMMS Scholarship Exam, Gurukul Government High School

Certifications

Machine Learning for All | [CERTIFICATE](#)

21st INTERNATIONAL CONFERENCE ON NATURAL LANGUAGE PROCESSING | [CERTIFICATE](#)