

Divyansh Gahlaut

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SUMMARY

Final-year B.Tech CS-AI/ML student (CGPA 8.87) at SRM IST with production-grade ML systems in deployment — a Random Forest forecasting platform (85.32% accuracy, 13,146+ samples) and a live GPS transit tracking app. Interned at BSNL (Govt. of India). Proficient in Python, Scikit-learn, FastAPI, and React.js. Seeking a full-time ML Engineer or Software Developer role.

EDUCATION

SRM Institute of Science and Technology, Ghaziabad

2023 to 2027

B.Tech, Computer Science and Engineering (Artificial Intelligence and Machine Learning). CGPA: 8.87 / 10. Final Year (2026–2027).

Shri Ram Centennial School, Agra

2022

Class XII, CBSE, PCM. Percentage: 70%.

St. Peter's College, Agra

2020

Class X, ICSE. Percentage: 73%.

TECHNICAL SKILLS

Machine Learning and AI: Scikit-learn, OpenCV, Hugging Face, Natural Language Processing (NLP), Random Forest

Programming Languages: Python, C++, JavaScript, SQL

Data Analysis and Visualization: Pandas, NumPy, Power BI, D3.js, Matplotlib, Exploratory Data Analysis (EDA)

Frameworks and Tools: Flask, React.js, Vite, Node.js, REST APIs, Git, GitHub, Docker

Cloud and Platforms: Microsoft Azure, Google Colab

EXPERIENCE

Internship Trainee, Bharat Sanchar Nigam Limited (BSNL) - ALTTC, Ghaziabad

May 2026 to June 2026

Hybrid | [View Certificate](#)

- Completed structured industrial internship at ALTTC Ghaziabad (UNO ITU Centre of Excellence, Govt. of India) on Integrated Telecom/Data Networks and Cyber Security — one of India's premier government telecom training institutes.
- Studied enterprise security architecture including access control systems, surveillance networks, IoT integration, and network threat mitigation strategies in smart building environments.
- Awarded Elite certificate (No. NON-BSNL-ALTALLNB0234-2026-00004-06) by BSNL Assistant Director under the Digital India initiative; gained practical exposure to Govt. of India enterprise operations.

Machine Learning Intern, SkillCraft Technology

June 2025 to July 2025

Remote | [View Certificate](#)

- Designed, trained, and deployed an SVM-based binary image classifier achieving 88% test accuracy; applied cross-validation, feature extraction optimization, and hyperparameter tuning using Scikit-learn.
- Engineered a real-time computer vision pipeline using OpenCV and Python for hand gesture recognition, enabling low-latency gesture-to-command mapping for desktop automation use cases.
- Independently managed the full ML lifecycle — data preprocessing, model selection, training, evaluation, and documentation — collaborating with remote mentors via GitHub and Google Colab.

KEY PROJECTS

SmartBus India: Real-Time Public Transit Tracking Platform

Jul 2026 to Present

React.js, Vite, Tailwind CSS, Firebase (Realtime Database, Auth, Hosting), Leaflet.js, OSRM | [GitHub Repo](#)

- Architected and deployed a full-stack real-time GPS bus-tracking system across 3 role-based portals (driver, passenger, admin), achieving sub-2-second location propagation using React and Firebase Realtime Database — currently live in production.
- Built a 5-point moving-average GPS smoothing pipeline with physics-based outlier rejection (>100 km/h delta filter) and integrated OSRM routing for road-accurate ETA within 200m snap-to-route precision.
- Deployed to production (Firebase Hosting, HTTPS) with authentication-gated telemetry via Firebase security rules; validated via live field testing with real device GPS.

FlowSentry: Deep Packet Inspection and Traffic Filter

Mar 2026 to Jun 2026

C++14, Python, CMake, libpcap, TCP/IP, TLS, DNS, HTTP, SSH | [GitHub Repo](#)

- Engineered a stateful DPI engine in C++14 classifying packets across TCP/IP, TLS, DNS, HTTP, and SSH with flow-based blocking rules and structured JSON report export for downstream ML-based anomaly detection.

Intelligent Weather Forecasting and Risk Analytics Platform

Feb 2026 to Jun 2026

React.js, Vite, FastAPI, Python, Scikit-learn, Random Forest, OpenWeatherMap API, Open-Meteo API | [GitHub Repo](#)

- Trained a Random Forest (200 trees) on 13,146+ weather records from 8 Indian cities (2020–2025), achieving 85.32% accuracy with 24-hour probability forecasting and confidence scoring.
- Built an end-to-end ML pipeline with feature engineering, API integration, feature importance visualization, and explainable AI insights for flood, crop, and activity risk scoring.
- Delivered a React + FastAPI dashboard with real-time weather monitoring, 30-day trend analysis, and risk analytics.

CERTIFICATIONS

Oracle Certified Professional - Data Science

Sep 2025 to Sep 2027

Oracle | Credential ID: 3224611340CI25DSOCP | [View Certificate](#)

Oracle OCI 2025 Data Science Certified Professional with expertise in machine learning and data analysis.

Microsoft Certified: Azure Fundamentals (AZ-900)

Dec 2025

Microsoft | Credential ID: 064563-684CZC | [View Certificate](#)

Microsoft Azure Fundamentals (AZ-900) certified with understanding of cloud concepts, services, and security. Scored 750/1000.

Generative AI: Prompt Engineering Basics

Apr 2026

IBM | Credential ID: 5SZ0GJF2UB8D | [View Certificate](#)

Completed IBM's Generative AI: Prompt Engineering Basics course covering generative AI, prompt engineering, and ChatGPT fundamentals.

Complete Machine Learning and Data Science Course Program

Jun 2026

GeeksforGeeks | Credential ID: fe0ccb313024e95c2bd48ece8f9344d | [View Certificate](#)

Completed a 26-week Machine Learning and Data Science program covering Python, Machine Learning, Data Analysis, Statistics, SQL, and AI concepts.

NPTEL Elite Certificate – Natural Language Processing

Apr 2026

IIT Kharagpur (NPTEL) | Roll No: NPTEL26CS45S1055100407 | Score: 63% | [View Certificate](#)

Completed a 12-week proctored NLP course by IIT Kharagpur via SWAYAM; covered text processing, language models, and NLP pipelines.

LANGUAGES

English - Professional Working Proficiency. Hindi - Native Proficiency.

ACHIEVEMENTS AND ACTIVITIES

- Scored 750/1000 on Microsoft Certified: Azure Fundamentals (AZ-900) — a proctored, industry-recognized cloud certification validating core cloud, security, and compliance knowledge.
- Competed in TenzorX National AI Hackathon 2026 (Poonawalla Fincorp × Unstoppable) and India.Runs Data & AI Challenge 2026 (Hack2Skill × Redrob) — demonstrating applied AI problem-solving in national-level competitive environments.
- Solved **150+ DSA problems on LeetCode** and **100+ problems on GeeksforGeeks**, strengthening problem-solving in data structures and algorithms.
- Volunteered with Achal Welfare Foundation (Project Tree and Prakriti) — completed 30 hours of environmental service (Jun–Jul 2025) through tree plantation and community awareness drives.