

# Nitish Gupta

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## Professional Summary

Passionate B.Tech CSE student focused on Data Science and Analytics, skilled in Python, SQL, and machine learning techniques. Selected three times for the Grand FInnal Smart India Hackathon (SIH 2024, Bootcamp 2024, SIH 2025), showcasing strong problem-solving and innovation. Driven to build impactful, data-driven solutions.

## Education

Amity University Chhattisgarh, Bachelor of Technology in Computer Science Engineering Sept 2022 – May 2026

- CGPA: 8.35

Maharishi Vidya Mandir -1 Raipur, Higher Secondary Education in Science Jan 2020 – April 2022

## Technologies

**Programming Language:** HTML, CSS, JavaScript, React, Node.js, smtplib

**Data Analysis:** Python(Pandas, Numpy, Matplotlib, Seaborn), SQL

**Data Visualization:** Power BI, Excel, Tableau

**machine Learning:** Regression, Classification, KNN, CNN, Time Series Forecasting, Principal Components

**Data Extraction & Processing:** Web Scraping (BeautifulSoup, Selenium), API Integration

**Database Management:** SQL Queries, Data Cleaning, ETL Processes

## Experience

Software Intern, Jayaswal NECO Industries Ltd. (C.G) – On-site Jun 2024 – Aug 2024

- Developed and implemented an automated birthday and festive greeting system using Python, Oracle DB, SMTP, and Task Scheduler/Cron Jobs, sending personalized emails daily to 8,000+ employees fully eliminating manual effort and improving internal engagement and morale by 40%. *Certificate*

Google Cloud Training – Remote Nov 2022 – Apr 2023

- Completed 40+ hours of hands-on labs on GCP, deploying containerized apps via Cloud Run and GKE with 99.9% uptime, aligned with ACE certification. *Certificate*

## Publications

Neural Probabilistic Language Modeling: Overcoming the Curse of Dimensionality with Distributed Representations Jan 2025 – Apr 2025

Nitish Gupta, *MAT Journals*, e-ISSN: 2582-2179, Vol. 10, Issue 1 ([Link](#))

## Projects

DBT Awareness & Verification Portal Nov 2025 - Dec 2025

- Built a secure role-based web platform to automate DBT awareness, bank verification, event management, and reporting for students and Panchayat officials, improving transparency and DBT enablement. (*Live Demo*)

Plant Disease Recognition System Jan 2025 - Mar 2025

- Developed a TensorFlow CNN model achieving 95% accuracy on 87K+ leaf images to classify 38 crop diseases and deployed it as a real-time Streamlit web app to help farmers detect issues early and take preventive action.

Smart India Hackathon 2024 – Scholarship Disbursement System for PMSSS Sept 2024 – Dec 2024

- Engineered a digital system to automate scholarship submission, verification, and fund release for thousands of PMSSS applicants with 100% paperless processing, real-time tracking, full government compliance, and an integrated NLP-based AI chatbot that improved user experience by 60%.

Mern stack chat app Sept 2023 - Dec 2023

- Built a real-time MERN stack chat application with secure authentication and instant messaging using WebSockets/Socket.io for seamless user communication.

## Certificate

Grand Finalist – Smart India Hackathon 2024 | National (certificate)

Innovation Design and Entrepreneurship (IDE) Bootcamp (Phase II) Organized by AICTE | National (certificate)

Python For Data Science IIT Madras | NPTEL (certificate)

Programming Using Python – Part 1 and Part 2 (certificate)

Database Management System (certificate)

Google Data Analytics Professional Certificate (certificate)