Nitish Gupta

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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 Languages: Python, SQL, HTML, CSS, JavaScript, React, Node.js
Frameworks/Libraries: Pandas, Numpy, Matplotlib, smtplib (SMTP email protocol)
Tools: Git, Github, Power BI, Excel, Tableau
Databases: MySQL, Oracle, MongoDB
IDEs: PyCharm, Jupyter Notebook, Visual Studio Code
Awards/Activities: Grand Finalist of Smart India Hackathon 2024 and 2025

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

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, achieving 100% paperless processing with real-time tracking and government compliance. Integrated an AI chatbot using NLP to handle FAQs and policy queries, boosting user experience by 60%.

Plant Disease Recognition System   Jan 2025 - Mar 2025
- Developed a CNN-based image classifier in TensorFlow to identify 38 crop diseases from a dataset of 87K+ leaf images with over 95% accuracy.
- Deployed a real-time disease prediction web app using Streamlit, enabling farmers to detect crop issues early and take preventive action for improved yield.

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)*

WebSockets-Based Chat Application   Sept 2023 - Dec 2023
- Created a real-time chat app with WebSockets, Node.js, and MongoDB for secure messaging and user authentication.

Certificate

Grand Finalist – Smart India Hackathon 2024 and 2025 | 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)*