

Aditya Singh

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LinkedIn | GitHub

Professional Summary

Final-year EEE student with AI-ML specialization, proficient in Git, and Linux with hands-on experience in version control, scripting, and containerization. Passionate about building scalable, automated infrastructure using tools like Docker and cloud platforms.

Education

Maharaja Agrasen Institute of Technology, B.Tech. in Electrical and Electronics Engineering (Specialization in Artificial Intelligence and Machine Learning) Nov 2021 – July 2025

Skills

DevOps Tools: Docker, Git, GitHub Actions, Jenkins, Kubernetes (basic), Terraform (basic)

Cloud Platforms: Microsoft Azure (VMs, Blob Storage, Azure DevOps, Azure Functions)

Programming and Scripting: Python, Bash, JavaScript, C++

Soft Skills: Collaboration and Teamwork, Strong Problem-Solving Abilities, Analytical Thinking, Fluent in English

Projects

Weather Forecasting Project Link

Objective:

Developed a machine learning model to predict weather changes based on 11 years of historical data for a city in India, with graphical representations of the forecasts.

Responsibilities:

- Collected and processed 11 years of historical weather data.
- Conducted exploratory data analysis (EDA) and feature engineering using Pandas.
- Developed and evaluated various machine learning models using Scikit-Learn.

Tools Used: Pandas, Scikit-Learn, Matplotlib

Publications

"STRATEGIC INTEGRATION OF AI IN MATERIALS SCIENCE FOR ENHANCED PERFORMANCE", Advancing Innovation in Smart Systems, Energy, Materials, and Manufacturing: Unleashing the Potential of IoT, AI, and Edge Intelligence, IIP Series, Volume 3, October 2024 Oct, 2024
e-ISBN: 978-93-6252-115-6 DOI/Link: <https://www.doi.org/10.58532/nbennuraich13>

Certification

Full stack Web Development Bootcamp | Udemy June, 2024
Complete Web and App based UI/UX | Udemy Oct, 2024

PoRs and Volunteer

Chairperson | **IEEE MAIT** 2024 - 2025
Instructor | **Bhumi Delhi Foundation** April, 2024
(Self-defense interactive session for shelter home girls as an instructor.)

Additional Experience And Awards

J.K. Pal Memorial Award | **IEEE Delhi Section** April, 2025
IEEE Outstanding Volunteer Award | **IEEE Delhi Section** May, 2024
Top 10 in Lunathon 2022 | **Spartificial** July, 2022