

# Amritanshu Agrawal

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## ABOUT

I am passionate about data science, and during my years of education, I have gained extensive project experience, excelling in project management and team coordination. My skills include developing robust solutions and translating business needs into impactful deliverables. I am proficient in Python, and I am dedicated to continuous learning and excited to contribute data-driven insights to solve real-world problems. I constantly strive to enhance user experiences through innovative workflows.

## EDUCATION

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|--|---------|
| <b>NIIT University, Neemrana</b><br>Bachelor of Technology – Computer Science Engineering with specialization in Data Science   CGPA: 7.75 | 2021-25 |
| <b>Dr. D Y Patil Pushpalata Patil International School, Patna</b><br>Senior-Secondary Education   Percentage: 88%                          | 2019-21 |

## WORK EXPERIENCE

|  |                       |
|--|-----------------------|
| <b>Data Science Intern   Oasis Infobyte   <a href="#">Offer Letter</a></b>   | June,2024 - July,2024 |
| <ul style="list-style-type: none"><li>Developed and trained machine learning models for diverse applications including iris flower classification, car price prediction, email spam detection, and sales forecasting.</li><li>Conducted in-depth data analysis using Python and data visualization tools (e.g., Matplotlib, Seaborn) to extract actionable insights from complex datasets.</li><li>Applied statistical analysis and machine learning algorithms (e.g., decision trees, regression) to optimize model performance and achieve accurate predictions.</li></ul> |                       |

## PROJECTS

### Smart Navigation and Monitoring of Students

Project *Manager*

- Led the development of an innovative solution to track students indoors and outdoors using RFID and GPS technologies, enhancing student safety and monitoring efficiency
- Recognized with 1st prize at the Tech-Fair of siNUoid v6.0, the tech-fest of NIIT University, for outstanding project innovation and implementation.

### MET, A Video Conferencing Web-Application

Frontend *Developer*

- Developed a MERN-based full-stack video conferencing application, incorporating advanced features like group chat and emoji dashboard to enhance user engagement.
- Contributed to the frontend development, ensuring a seamless and intuitive user experience.

### Stock Market Price Prediction: A Comparative Study of Various Models

Researcher

- Conducted a comprehensive comparative study of various predictive models as part of a research team, focusing on stock market price prediction.
- Analyzed and evaluated model performance using metrics such as Mean Absolute Error (MAE), Mean Squared Error (MSE), and Root Mean Squared Error (RMSE) to determine the most effective predictive techniques.

## SKILLS

|                               |  |
|-------------------------------|--|
| <b>Languages</b>              | Python, MySQL  |
| <b>Frameworks / Libraries</b> | TensorFlow, SciPy, NumPy, Pandas, Matplotlib, Scikit-learn, Bootstrap, ReactJS |
| <b>Data Science</b>           | Data Analytics, Statistics, Data Analysis                                      |
| <b>Tools</b>                  | Git, GitHub, VS Code, Jupyter Notebook, Tableau, Jira, Figma                   |
| <b>Areas of Experience</b>    | Web design and Development, Research   |

## CERTIFICATES

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|--|------------|
| <b>Introduction to Data Analysis using Microsoft Excel   Coursera   <a href="#">Link</a></b> | June,2024  |
| <b>Programming Essentials in Python   Cisco Networking Academy   <a href="#">Link</a></b>    | April,2022 |