

# AYUSH GUPTA

Aspiring Data Scientist, 2025

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[Portfolio](#)

[LinkedIn](#)

## SUMMARY

Engineering undergrad passionate about Data Science and AI/ML. Skilled in data analysis, machine learning, and project optimization. Seeking a role to apply technical skills and drive innovative, data-driven solutions.

## EDUCATION

**Bachelor's of Engineering in Computer Science**

**Dec 2021 - May 2025**

*Indira College of Engineering and Management, Pune*

- **Grade:** 8.53 / 10
- **Awards/Activities:** Best Research Paper Award at NTAI 2025, Event Coordinator at IGLLS 2024, Runner-up in Project Competition at TechFest 2023
- **Coursework:** Object-Oriented Programming (OOPs), Software Engineering, Data Structures and Algorithms, Machine Learning, Deep Learning

## SKILLS

- **Programming Languages:** Python, JavaScript, HTML, CSS
- **Libraries/Frameworks:** React.js, Node.js, Express.js, Scikit-learn, Pandas, NumPy, Matplotlib
- **Databases:** SQL, MongoDB
- **Tools:** JIRA, Google Docs, Git, GitHub

## SELECTED PROJECTS

**Fraudulent Transaction Data Analysis** [\[Link\]](#) | *Python, Machine Learning, Jupyter*

- Developed a fraud detection model on 6M+ PaySim transactions with <0.2% fraud rate.
- Applied Random Forest and XGBoost with SMOTE to handle class imbalance, achieving high precision and recall.
- Evaluated performance using AUC-ROC and confusion matrix.

**Where is my BUS? - Daily Commuter App** [\[Link\]](#) | *React, Node.js, MongoDB, RESTful APIs*

- Engineered user-centric real time bus location service, integrated frontend and backend systems, which reduces passenger's waiting time by 60%.
- Converted UI designs into functional web pages and ensured responsive, user-friendly designs of an admin module with efficient CRUD operations, improving operational efficiency by 40%.

**Heart Care - Heart Failure Prediction App** [\[Link\]](#) | *ReactJS, Python, Machine Learning, API, Flask*

- Achieved 86% accuracy using Random Forest on clinical data (10000 records) to predict heart failure risk.
- Built and deployed a Flask web app and Kivy-based Android app for real-time health risk prediction.
- Enabled users to get predictions in <2 seconds using 12 medical input features.

## INTERNSHIP EXPERIENCE

**Data Science Intern at Inorbvict Healthcare Pvt Ltd, Pune**

**Aug 2024 - Sep 2024**

- Developed scalable training modules on Power BI, Excel, Tableau and troubleshooting various issues for an LMS, enhancing learner engagement by 40%.
- Leveraged ability to collect, organize, analyse dataset for data visualization, improving stakeholder decision-making efficiency by 30%.

**Software Developer Intern at ICEM, Pune**

**Dec 2023 - Jan 2024**

- Developed an intelligent RPA-driven file conversion tool that automates PDF-to-CSV transformation, reducing manual data entry time by 60% and improving search efficiency by 50%.
- Enhanced data processing efficiency by 40% by eliminating repetitive tasks, while achieving 99% accuracy in data conversion.

## CERTIFICATIONS

- Google Analytics for Beginners (Google)
- Introduction to Generative AI (Google)