

Piyush Agrawal

[LinkedIn](#) | [+91-9528623644](#) | [2004287@kiit.ac.in](#) | [wacky.piyush@gmail.com](#) | [Portfolio](#)

PROJECTS

[GitHub](#) | [Tableau](#)

- **Email Classification:** Developed an *XGBoost machine learning model* to accurately predict email spam or non-spam with high precision ([Streamlit App](#))
- **Loan Defaulter Prediction:** Leveraged data analysis techniques to create a powerful *predictive machine learning model* for precise loan default prediction, enhancing risk assessment strategies.
- **Indian Crime Analysis:** Utilized the India Crime dataset spanning 2001 to 2012 to perform in-depth analysis on diverse crime types across states and districts, showcasing the results with an engaging and interactive [Streamlit framework deployment](#)
- **MedHive:**
 - *Led a team of 4* while spearheading the design and development of an innovative platform. Utilized a powerful tech-stack comprising MS SQL Server Database, Excel, Python, FastAPI, Matplotlib, and uvicorn to enable *real-time hospital bed bookings for users*.
 - Demonstrated *a customer-centric approach* in making strategic business decisions. *Managed end-to-end backend processes*, including data collection and *seamless API support*, ensuring a seamless user experience.
- **IPL Auctions:** Conducted comprehensive EDA on IPL auction sold players spanning from 2013 to 2023, unearthing valuable insights crucial for teams' budget planning, strategic player selection, and effective negotiation of player prices.
- **Hyundai Car Listing:** Analyzed UK Hyundai car listings (2000-2020) to provide valuable insights on economic impact, customer preferences, and pricing trends for strategic decision-making.
- **Consumer Buying Behaviour EDA:** Leveraged Tableau, Python (NumPy, Pandas, Seaborn, Matplotlib) to analyze Black Friday sale data. Extracted actionable insights on customer demographics and popular products, empowering targeted marketing initiatives and driving informed strategic decision-making.
- **Spotify Tracks Analysis:** Used Spotify tracks dataset to identify customer preferences, enhancing lead conversion on the platform.

EDUCATION

KIIT-DU | School of Computer Science

Minor Degree in Data Analytics

Bhubaneswar, Odisha

2023 - Present

KIIT-DU

Bachelors of Technology in Electronics & Telecommunication (CGPA: 8.57)

Bhubaneswar, Odisha

2020 - Present

Rajiv International School

Intermediate (Science) - CBSE; 89.8%

Mathura, Uttar Pradesh

2020

Matriculation - CBSE; 94%

2018

TECHNICAL SKILLS

Languages: Python, SQL

Databases: RDBMS, NoSQL

Data Manipulation & Visualization Tools: Excel, Tableau

Machine Learning: Regression, Classification, Clustering, Ensemble Models

Libraries: Numpy, Pandas, Seaborn and Matplotlib, Scikit-learn, TensorFlow

WORK EXPERIENCE

Data Science Intern | Celebal Technologies Pvt. Ltd

June 2023 - August 2023

Contributed to complete project life cycle from problem definition to model deployment

[Certificate](#)

Finance Head | KIIT Youth Odisha road society

2021

Orchestrated a Hackathon event, attracting 800+ student participants. Secured sponsors and maximized revenue

Automobile Society member | Hermes Racing

2021

Learned about chassis, aerodynamics, electrical model of a car

CERTIFICATES AND PUBLICATIONS

[Certificates](#) | [Publication](#)

- ★ AWS Academy Cloud Architecting by 'AWS Training Online' Certificate
- ★ Machine Learning A-Z: AI, Python by 'Udemy' Certificate
- ★ AWS Academy Cloud Foundation by 'AWS Training Online' Certificate
- ★ SQL for Data Science by 'University of California, Davis' Certificate
- ★ Machine Learning Specialization by 'DeepLearning.AI & Stanford University' Certificate
- ★ Machine Learning and Artificial Intelligence by 'CAAS, KIIT' Certificate
- ★ Introduction to Blockchain Technologies by 'INSEAD' Certificate
- ★ **Publication:** "MedHive: Hospital Assist"
 - Piyush Agrawal, Aman Kerketta, Rajesh Behera and Shambhav Shandilya
 - Strad Research | ISSN: 0039-2049 | 2023