

# Khushi Agarwal

Bangalore, India | P: +91 9717218214 | [khushiagarwal0320@gmail.com](mailto:khushiagarwal0320@gmail.com) | [LinkedIn](#) | [Github](#)

## EDUCATION

---

### CHRIST (Deemed to be University)

M.Sc. Data Science

CGPA: 9.25/10

Coursework: Database Technologies, Programming for Data Science in Python, Inferential Statistics, Regression Analysis, Machine

Learning, Image and Video Analytics, Machine Learning, NLP, Deep Learning, Cloud Analytics

### Manipal University Jaipur

Bachelors of Computer Applications

CGPA: 9.66/10

Coursework: Python Programming, Java Programming, Database Management Systems, Data Mining, Machine Learning, Cloud Computing

Bangalore, IN

June 2022 - April 2024

Jaipur, IN

June 2019 - June 2022

## WORK EXPERIENCE

---

### Uniblox, Machine Learning Engineer, Seattle, WA

June 2025 - Present

- Developed a LangGraph-powered production monitoring automation tool, streamlining issue detection, analysis, and pull request creation - cutting mean time to resolution by 60% and saving 45+ manual hours per week.
- Engineered data enrichment pipelines integrating the 'sheetname-as-plan-name' feature, improving insurance plan mapping accuracy to 99.9% and reducing data discrepancies by 35%+.
- Improved the reviewer mapper validation layer, raising fail case accuracy from **55% to 88%** by refining validation logic and integrating additional rule-based checks.
- Designed ML pipelines using BERT and XGBoost to perform column mapping across varied insurance census formats.

### MRIKAL Studio, AI/ML Engineer, Gurgaon, IN

Oct 2024 - June 2025

- Designed and developed a chatbot using LangGraph, email reply automation and generating schedule and updating schedule
- Worked on machine learning (ML) and deep learning (DL) models for data-driven decision-making.
- Worked on LLM meta-llama3.2-instruct model to improve ai generated response based on feedback loop.
- Developed Superset 10+ dashboards and 40+ charts visualization to provide actionable insights for business analytics.
- Wrote 20+ complex SQL queries to generate datasets and implement SQL logic for charts metric calculations.
- Built and optimized ETL pipelines to extract, transform, and load data for visualization and reporting.

### ZIGRAM Data Technologies Private Limited, Data Science Intern, Gurgaon, IN

January 2024 - July 2024

- Contributed to a portfolio of 3 data science projects, ensuring adherence to project timelines and milestones; enhanced project efficiency
- Developed custom algorithms to resolve complex data issues, improving data accuracy by 25% and optimization by 15%
- Automated project workflows and testing procedures, enhancing the efficiency and accuracy of data analysis
- Gained proficiency in various technologies, including Python, Excel, Docker, MinIO, NLP, and APIs
- Demonstrated strong communication and presentation skills by providing regular project updates and comprehensive reports

## TECHNICAL SKILLS

---

**Programming Languages:** Python (including libraries like Pandas, NumPy, Matplotlib, Plotly, ScikitLearn, OpenCV, TensorFlow, Keras, NLTK, FastAPI, Langchain), SQL, Java, R

**Developer Tools:** Jupyter Notebook, Colaboratory, RStudio, Tableau, Power BI, Git, MS Excel, Dockers

**Databases:** Postgres, MySQL

## PUBLICATIONS AND ACHIEVEMENTS

---

### [Scopus Index](#)

- Performance Analysis of various Machine Learning Classification models using Twitter Data: National Education Policy, IEEE, Published - April 2023
- Performance Analysis of YOLOv7 and YOLOv8 Models for Drone Detection Published - October 2023
- Special Prize at LLM JAM by CellStrat: Developed llm application that processes historical medical data, providing insightful summarizations and facilitating Q&A interactions, thereby enhancing healthcare information management and improving patient care
- Gold Medal for Academic Excellence: Awarded during the BCA program at Manipal University Jaipur for outstanding academic performance.