

# Krishna Vallabha Goswami

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## EDUCATION

Indian Institute of Technology Madras

Expected Graduation: May 2028

*Bachelor of Science in Data Science and Applications*

- **Relevant Coursework:** Machine Learning Foundations, Machine Learning Practice, Business Analytics, Statistics for Data Science-I & II

## TECHNICAL SKILLS

- **Programming Languages:** Python, SQL (Advanced), R (Familiar), JavaScript (Familiar)
- **Machine Learning & AI:** Scikit-Learn, PyTorch, TensorFlow, LangChain
- **Data Analysis & Visualization:** Pandas, NumPy, SciPy, Matplotlib, Seaborn, Power BI
- **Databases & Streaming:** PostgreSQL, Kafka
- **Web Development:** HTML, CSS, Flask, Vue.js
- **Tools & DevOps:** Git, Docker

## DATA SCIENCE EXPERIENCE

Auracle Labs

October 2025 – Present

*AI/ML Intern*

- Building ML systems with a focus on RAG, memory retrieval, and personalization.
- Developing scalable data pipelines and backend components for AI-driven products.

ABIS Exports (IB Group)

May 2025 – June 2025

*Data Analyst Intern*

- Analysed real-world datasets with focus on data quality, validation, and trend extraction.
- Automated reporting processes using Excel, SQL, and visualization tools.
- Supported decision-making by uncovering operational inefficiencies through data insights.

## PROJECTS

- **Slotly (Smart Vehicle Parking System)** [GitHub](#)
  - Multi-user parking app with real-time slot viewing and booking
  - Admin dashboard for lot management, pricing, and analytics
- **SerenityCare (Hospital Management System)** [GitHub](#)
  - Full-stack system with real-time appointment booking and multi-role access
  - Includes patient history tracking and background task automation using Redis and Celery

## Leadership & Activities

Quantix (Quant & Consulting Club), IIT Madras

January 2025 – September 2025

*Researcher*

- Researched quantitative finance topics including stochastic modelling and market behaviour.
- Built and evaluated trading models using statistical and probabilistic methods.

InfinAI (AI/ML Club), IIT Madras

February 2025 – September 2025

*Researcher*

- Managed outreach, partnerships, and communication activities for the club.
- Organized technical events and optimized onboarding workflows to increase participation.
- Collaborated with core team members to promote AI initiatives and student engagement.