

Ria R Kulkarni

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Education

PES University , B. Tech in Computer Science and Engineering	Dec 2021 – May 2025
• CGPA: 8.43/10 5x Recipient of the Distinction Award Scholarship Awarded Prof. CNR Rao Scholarship	
• Relevant Coursework: Data Analytics, Software Engineering, Python, Java, Machine Intelligence, Software Testing	
BASE PU College , Grade XI - XII : 100% (II PUC)	June 2019 – Aug 2021
Venus International School , Grade I - X : 97.2% (ICSE)	June 2009 – Mar 2019

Experience

Teaching Assistant , PES University	Jul 2024 – Present
• Assisted professors in teaching Software Engineering and Web Technologies	
• Crafted engaging educational material, including slide decks, problem statements and notes, while also evaluating assignments and projects	
Intern , ALTEN Calsoft Labs (ACL Digital) – Bangalore	May 2024 – Jul 2024
• Led a Generative AI project from inception to deployment, overseeing timelines and deliverables, leading to a 30% reduction in manual customer service tasks	
• Applied technologies like RAG, open-source LLMs and AWS EC2, resulting in seamless deployment and cloud migration which allowed me to develop skills in data analysis, user experience testing and market research within the AI domain	
Research Intern , Centre for Data Science & Applied Machine Learning	Jun 2023 – Aug 2023
• Conducted extensive research and applied Deep Learning techniques to detect image tampering	
• Implemented Vision Transformers for Deepfake Detection and co-authored a draft research paper	

Projects

- **F1 Database Analysis - Python, MySQL, phpMyAdmin**
A comprehensive SQL-based database for managing and analyzing Formula-1 data, designed to track F1 season statistics which can be used for data analytics, applications or educational purposes.
- **Travela - Python, MySQL, APIs, Generative AI**
Led development of an LLM-powered one-stop travel booking platform in an 8-hour hackathon, after identifying pain points and analyzing booking patterns, demonstrating rapid prototyping, customer need comprehension and MVP development skills
- **Stock Market Time Series Forecasting - R Programming**
Led a team of 4 and designed time series models (ARIMA, SARIMA, SARIMAX, Auto-ARIMA) to predict trends, identify patterns and guide data-driven decisions.
- **Multi-Event Anomaly Detection for Enhanced Video Surveillance**
Leading a team of 4 and innovating a robust, multimodal anomaly detection model, managing timelines and cross-functional collaboration
- **Accenture North America Data Analytics and Visualization Job Simulation**
Analyzed, modelled and cleaned large datasets to complete a simulation advising a hypothetical social media client, thereby driving content optimization efforts.

Relevant Certifications

- **Machine Learning Specialization, DeepLearning.AI:** Coursera
- **Jira Work Management Fundamentals:** Atlassian
- **Introduction to Data Analysis using Microsoft Excel:** Coursera
- **Getting Started with PowerBI:** Coursera

Co-Curricular Interests

- Avid reader with a passion for creative and technical writing; collaborated on editorial projects for monthly college newsletter
- Learning **French (B2)** and **German (A2)** to enhance communication and cultural awareness
- Volunteered for and led a Bootstrap Design Thinking workshop aimed at college freshmen
- Currently pursuing a Data Analysis with Tableau certification from Coursera