R I A   R   K U L K A R N I

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EDUCATION

B. Tech - CSE	2021-25	PES University, Bangalore	**8.43**	5x awarded DAC + 1x CNR
PUC (Class XII)	2021	BASE PU College, Bangalore	**100%**	1st to the college; **state rank 1**
ICSE (Class X)	2019	Venus International School, Bangalore	**97.2%**	2nd to the school

INTERNSHIP/S

Summer Intern, ALTEN Calsoft Labs, Bangalore   May 2024 – July 2024
- Led the development of a **Generative AI project**, managing both **technical and leadership** tasks
- Applied cutting-edge technologies like **RAG, open-source LLMs and AWS**, resulting in successful deployment and **cloud migration. Enhanced team efficiency**, ensuring smooth project execution.
- Advised interns, contributing to **knowledge transitions**. Acquired **strong communication** and **presentation skills**

Research Intern, CDSAML - PESU, Bangalore   June 2023 – August 2023
- Led a team of 4 and **took initiative** on implementing various image forgery detection methods using traditional and deep learning methods;
- **Actively contributed to draft research paper**, showcasing ability to **translate data into meaningful insights**.

ACADEMIC PROJECTS

- **Multi-Event Anomaly Detection for Enhanced Video Surveillance**: Leading a team of 4 and writing a research paper based on our findings using VLMs, generative models and transformers.
- **Travela**: Developed an LLM-powered one-stop shop for flight and cab transfer offers in an 8-hour hackathon; led the team presentation and engineered the SQL/Llama3.1 backend
- **Dialogue – Web Chat**: Developed a web chat application using MERN stack, Redux hooks for state management and socket programming.
- **Stock Market Time Series Forecasting**: 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.

ACADEMIC ACHIEVEMENTS AND AWARDS

- **Prof. CNR Scholarship** by PES University for being in the **top 20%** of the department in 6th semester
- **Distinction Award** by PES University from semester 1-5 for **excellent academic performance (top 40%)**
- Scored **600/600** in Class XII PUC Board Exams, achieving **State Rank 1**

POSITIONS OF RESPONSIBILITY

- **Teaching Assistant (Software Engineering), PES University**: Assisted in course content creation and assignment evaluations; **managed and guided students** through practical lab sessions.
- **Head of Content, The Embrione**: Led a team of 10 for **content creation and strategy** for the club, fostering increased participation in club events. Commended by peers for **increasing club engagement**.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Active member of **writing club – WriteAngle**; written articles for **monthly college newsletter – FYI**
- Participated and got **shortlisted** in Arithemania 2022 and UVCE CodeFury 5.0 **hackathons**

OTHER INFORMATION

- Avid reader and long-time **creative/technical writer**
- Learning **French at B2-level** and **German at A2-level**
- Participated in the **Accenture North America Data Analytics and Visualization Job Simulation** on Forage where I completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture through **data cleaning, modelling, analysis and visualization**