




Kirubhaharan Balasubramanian

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PROFESSIONAL SUMMARY

I have a Bachelor's degree in Computer Science and Engineering and a Master's degree in Data Science. My academic path combines technical expertise with advanced data analytics abilities, such as data analysis, machine learning, statistical modelling, data visualisation, and predictive analytics. My interest is in using data to address complicated challenges and contribute to data-driven decision-making. I am well-prepared to join a dynamic data science team, drive innovation, and give significant insights through my skills in handling and interpreting large datasets, since I am committed to constant learning. I'm excited to put my skills to use and make a difference in the area of data science.

EDUCATION

Master's in Computer Science (Data Science and Analysis)

EPITA, France
2022 - Present

Bachelor's in Computer Science and Engineering

Sri Eshwar College of Engineering,
India
2018 - 2022

SOFT SKILLS

- Adaptability
- Communication
- Creativity
- Critical Thinking
- Data Science
- Data Visualization
- Mathematics
- Problem Solving
- Teamwork

LANGUAGE

- French : A2 (Niveau Intermédiaire)
- English : Bilingual
- Hindi : Bilingual
- Tamil : Native

CERTIFICATIONS

- Foundations: Data, Data, Everywhere - **Coursera**
- Python For Beginners - The Basics Of Python Development - **Udemy**
- Java Programming Masterclass: Learn Java From Scratch - **Udemy**
- Product Lifecycle Management - **SECE**

HOBBIES AND INTERESTS

- I am a dedicated member of the regional volleyball team, representing **US Villejuif Volleyball 94**
- Coding and Programming



TECHNICAL SKILLS

- | | | | |
|------------------|--------------------|----------------------|----------------|
| • NoSQL | • Deep Learning | • Data Visualisation | • Java |
| • Python | • Machine Learning | • AWS | • JavaScript |
| • SQL | • TensorFlow | • Git | • React Native |
| • PowerBI | • MatPlotLib | • Sckit-Learn | • C |
| • Data Analytics | • Dataiku | • MongoDB | • Excel |

WORK EXPERIENCE

React Native Intern | Divum Corporate Private Limited

Duration: Jun 2021 - Jan 2022

- Developed hybrid mobile apps for Android and iOS using React Native.
- Collaborated effectively with cross-functional teams to ensure high-quality app delivery.
- Resolved production issues and implemented new features, showcasing problem-solving skills.

This internship gave me excellent technical skills, a sharp eye for detail, and the capacity to collaborate. I'm excited to use these skills and my enthusiasm for data-driven decision-making to flourish in a data science career.

PROJECTS

WINE QUALITY PREDICTION (DATA SCIENCE PROJECT) [2023]

- Developed a Machine learning model for predicting wine quality based on user-entered or uploaded data
- Utilised Python, Stream lit web application framework, FastAPI, PostgreSQL, and Grafana for data monitoring and validation

Hopify - Data Science Project for Music Recommendation

- **Goal:** Lead the development of an innovative music recommendation system aimed at surfacing high-quality, less mainstream songs in order to enrich the user's music experience and promote musical variety.
- **Data Source:** For complete music information, we used the large Spotify Million Dollar Dataset as the primary data source.
- **Data Modelling:** Made precise song recommendations based on genre and quality using advanced data modelling approaches such as Non-Negative Matrix Factorization (NMF) and Euclidean distance calculations.
- **Database Management:** PostgreSQL was implemented for robust data storage, ensuring smooth data access, retrieval, and system scalability.
- This project demonstrates my expertise in data science, which includes data analysis, modelling, and database management, with a clear emphasis on increasing user involvement and supporting musical diversity.

Other Projects: *Computer Vision (Identify your Pet), Blockchain Mini Twitter, Zomato Geospatial Analysis,*