

Ruthran RAGHAVAN

French Professor | French-English Bilingual | AI Research Scientist



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An experienced and dedicated French teacher with over 17 years of expertise in language instruction and curriculum development. I specialize in creating immersive and engaging learning environments that foster language acquisition and cultural understanding. My approach combines traditional teaching methods with innovative techniques, ensuring students of all levels achieve fluency and confidence in French. I have successfully guided over 5,000 students to proficiency, utilizing personalized learning plans and adaptive teaching strategies to meet individual needs. My deep understanding of French culture and language, coupled with a passion for education, drives me to inspire and empower students to reach their full linguistic potential. I am committed to providing high-quality French education and continuously seeking opportunities to further enhance my teaching methodologies and contribute to language education at a broader scale.

CONTRIBUTIONS

French Teacher | Curriculum Developer
HERE AND NOW - The Language Institute
06/2018 - Ongoing

Innovative Curriculum Design : Spearheaded the development of the Immersion Program, a revolutionary approach to language learning that enables students to achieve B2 level proficiency in French within 108 days. This program has successfully created over 5,000 French speakers.

Comprehensive Language Instruction : Delivered high-quality French instruction to a diverse student body, including professionals, students, and language enthusiasts. Tailored lessons to meet individual needs, ensuring that each student could progress at their own pace.

Advanced Teaching Techniques : Implemented cutting-edge teaching methods, including the use of AI-driven tools, to enhance student engagement and learning outcomes. Developed interactive lessons that incorporate multimedia resources, real-time feedback, and adaptive learning pathways.

Leadership & Mentorship : Led a team of language instructors, providing guidance and support in lesson planning, classroom management, and student assessment. Fostered a collaborative and innovative teaching environment that prioritized student success.

Language Proficiency & Multilingual Support : Fluent in French and English, with basic proficiency in German. Utilized language skills to create a multicultural classroom environment, supporting students in developing their language abilities across multiple languages.

French Research Head | Cognitive Scientist (HI & AI)
HERE AND NOW - The French Institute
07/2011 - Ongoing

AI Integration in Language Learning : Pioneered the use of AI technologies to develop personalized learning tools that adapt to students' progress in French. These tools have been instrumental in enhancing the learning experience and improving student outcomes.

Data-Driven Curriculum Development : Analyzed student performance data to continuously refine and optimize French language courses. Implemented changes that resulted in higher student satisfaction and improved language proficiency levels.

Operational Efficiency : Automated various administrative tasks related to student enrollment, course scheduling, and resource management, allowing for a more efficient and streamlined operation of the language institute.

EDUCATION

M.Sc. Psychology
Madras University, India
08/2010 - 04/2012

- Conducted advanced research in psychological methodologies, incorporating extensive statistical analysis and data modeling to uncover insights into human behavior. Utilized sophisticated statistical techniques such as multivariate analysis, regression modeling, and hypothesis testing to contribute to the field of psychological research.

- Developed deep statistical knowledge and data analysis skills through the application of quantitative research methods. This expertise enabled the creation of robust data-driven models, enhancing the reliability and validity of research findings.

- Engaged in research projects that explored cognitive functions and their implications, applying statistical techniques to analyze patterns and correlations. These experiences honed skills in interpreting complex data sets, critical for AI model development and evaluation.

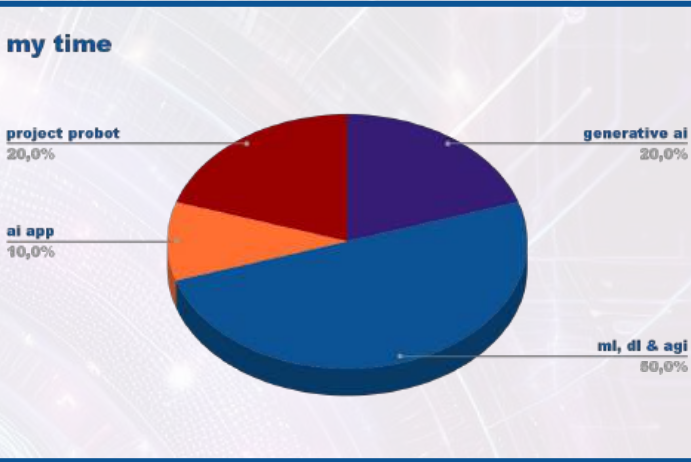
B.Sc. Psychology
Madras University, India
08/2007 - 05/2010

- Studied cognitive functions of the brain, laying a foundational understanding of neural networks and their relevance to computer science and artificial intelligence. Explored the interplay between cognitive processes and computational models, fostering an early interest in the intersection of psychology and AI.

- Acquired knowledge of cognitive psychology principles and their applications to AI, including understanding memory systems, learning processes, and decision-making models. This background provided valuable insights into developing AI systems that simulate human cognitive functions and improve user interactions.

PROJECTS & INNOVATIONS

- Created 5000+ French Speakers.
- Innovated Advanced Language Curriculum.
- AI Machine Translation Projects.
- Conversational AI Chatbots (2018).
- Probot (Professor Robot) - in progress.
- Automated Evaluation System.
- Retrieval-Augmented Generation (RAG) Systems.
- AI-Powered Adaptive Learning Platforms.
- Real-Time Data-Driven Decision Systems.
- AI-Driven Predictive Analytics.



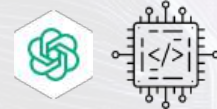
TOOLS

Artificial Intelligence & Machine Learning

- Libraries:



Openai GPT, Openai ada embeddings:



Reinforcement Learning & Retrieval systems:



- Large Language Models & Augmented Generation:



Data Science & Algorithm Development

- Data Analysis & Visualization:



- Algorithm Development: Python



- Model Deployment:



Software Development & Blockchain for AI

- Web Development Technologies:



- AI Chatbot Development & Blockchain:



- Human Languages:

