

# Bhatia, Rhythm Rajiv

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Date: 25th August, 2025

## 1. PERSONAL DETAILS

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**Name:** Rhythm Rajiv Bhatia

**Current Position:** External Faculty DHBW Germany, IMPDET Doctoral Researcher, University of Eastern Finland

**Other Roles:** Independent AI Contractor, Council Member WICCI India-EU Business Council

## 2. DEGREES

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**Doctor of Philosophy (PhD), Computer Science**, University of Eastern Finland, Finland 2022 – Present

Title of Dissertation: *From Big Data to Person-Based Learning Analytics*

**International Master's in Computer Science**, University of Eastern Finland, Finland 2019 – 2021

Major: Software Engineering, Grade: 5/5

**Bachelor of Engineering (B.Eng.)**, Symbiosis Institute of Technology, India 2011 – 2015

Major: Computer Science

## 3. OTHER EDUCATION AND EXPERTISE

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**Women Developer Academy**, Google Dec 2024

Technical Leadership and Development Training

**Oxford Machine Learning Summer School (OxML)**, University of Oxford, UK 2020

## 4. LANGUAGE SKILLS

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- Hindi
- English

## 5. CURRENT EMPLOYMENT

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**External Faculty Member**, DHBW, Germany, Remote 2023 – present

- Delivered instruction in Data Science, Linear Algebra, Calculus, and Scientific Programming to company-sponsored students from partners like SAP and Nokia, earning outstanding student feedback and top teaching ratings.
- Guided dual-track professionals in applying advanced mathematical and programming concepts to real-world industry challenges, enhancing their sponsored career development.
- Served as Member of the English Examination Board for Computer Science, assessing theses and supervising projects to ensure rigorous academic and practical standards.

**Freelance AI Coach**, SPICED Academy, Germany, Remote 2023 – present

- Coached experienced professionals in Artificial Intelligence, targeting those who lost jobs or seek upskilling, through tailored sessions enhancing career transitions.
- Guided adult learners with prior work experience in advanced AI concepts, fostering practical application via hands-on instruction.
- Supervised capstone projects for working professionals, providing feedback to deliver production-ready AI solutions and measurable skill advancement.

**AI Advisor** ICONFlyertech, India 2025 – present

Guided on personalized learning EdTech tools development. Got selected for MSME grant from Government of India and funding from Erelego technologies company. Built a team of AI developers, backend and front developers to deploy nextgen AI Learning tools.

## 6. PREVIOUS WORK EXPERIENCE

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**Independent AI Contractor** 2021 – 2025

Worked on projects in AI application in EdTech, cryptocurrency, stress modeling, speech/music segmentation for companies across Globe especially in Germany, Finland, UK, UAE.

**Visiting Faculty** Feb 2021 – Jun 2021

Symbiosis Institute of Technology, India (Part-time)

- Taught Business Analytics, Data Science, Operating Systems, Project-Based Learning

**Research Assistant** Jan 2020 – Sep 2020

University of Eastern Finland, Finland (Part-time)

**Machine Learning Engineer** Jan 2019 – Apr 2019

Gnani.ai, India

**Junior Research Fellow** Aug 2017 – Dec 2018

Indian Institute of Technology Mandi, India

**Data Specialist** Jan 2016 – Apr 2017

IBM, Pune, India

## 7. RESEARCH FUNDING AND GRANTS

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1. WiMIR Travel Grant, ISMIR 2019
2. Young Female Researcher Travel Grant, Interspeech 2018
3. Grace Hopper Conference India Travel Grant, GHCI 2017

## 8. RESEARCH OUTPUT

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### Manuscripts in Preparation / Ongoing Work for PhD

- Beyond Grades: Longitudinal Trajectories of Self-Regulated Learning in K–12 Students (First Draft Finalized)  
*Bhatia, Rhythm, Sonsoles López Pernas, Mohammed Saqr, Matti Tedre*
- Personalized Network Analysis of K–12 Students  
*Bhatia, Rhythm, Mohammed Saqr, Sonsoles López Pernas, Matti Tedre*
- Systematic Analysis of Person Based Self-Regulated Learning in K-12 Students  
*Bhatia, Rhythm, Sonsoles López Pernas, Mohammed Saqr, Matti Tedre*

### Conference Papers, Posters, and Presentations

- On the Use of Neural Vcoders in Generating Bird Vocalizations  
*Bhatia, Rhythm; Kinnunen, Tomi – SPECOM 2022*
- Review of Feature Importance for Mental Health Interventions (Poster Presentation)  
*Bhatia, Rhythm – WiML Workshop, ICML 2020*
- All Conv-Net for Frame-Based Music and/or Speech Segmentation using Raw Data (Extended Abstract)  
*Bhatia, Rhythm; Thakur, Anshul – ISMIR 2019*
- Music and/or Speech Segmentation (Poster Presentation)  
*Bhatia, Rhythm; Thakur, Anshul; Rajan, P. – YFRS Workshop, Interspeech 2018*
- Feature Learning for Bird Call Segmentation using Phase-Based Features  
*Bhatia, Rhythm; Seth, Harshita; Rajan, P. – ICIIS 2018*
- Feature Learning for Bird Call Clustering  
*Seth, Harshita; Bhatia, Rhythm; Rajan, P. – ICIIS 2018*
- Analysis of Audio Features for Music Representation  
*Bhatia, Rhythm; Srivastava, Saumya; Singh, Manpreet; Bhatia, Vandan – ICRITO 2018*
- Big Data Analytics: Solution to Healthcare  
*Singh, Manpreet; Bhatia, Vandan; Bhatia, Rhythm – ICCT 2017*

## 10. RESEARCH SUPERVISION AND LEADERSHIP EXPERIENCE

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- **DHBW, Germany** – supervision of Bachelor's theses and student research projects
- Planning guidance of Bachelors and Master's students, Symbiosis Institute of Technology, India

## 11. TEACHING MERITS

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- Courses taught: Data Science, Calculus, Scientific Programming (DHBW, Germany)
- Experience in supervising theses and research projects
- Pedagogical development through collaborative teaching and examination board membership
- Received outstanding feedback from the students.

## 12. AWARDS AND HONOURS

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- Recognized among **Top 40 Under 40 Leaders by EICBI, 2024**

## 13. OTHER KEY ACADEMIC MERITS

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- Member, English Examination Board, DHBW Germany
- Council Member, WICCI India-EU Business Council
- Committee and board memberships in academic and professional organisations
- Peer reviewer for academic publications and research supervision

## 14. SCIENTIFIC AND SOCIETAL IMPACT

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- Speaker and contributor at Grace Hopper Celebration India (GHCI)
- Active in Women Techmakers (WTM) community
- Mentor and participant in Google Summer of Code (GSOC)

## 15. OTHER MERITS

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- Chairperson, India-Finland Alumni Community

Dec, 2022 – Jan, 2025