

Partha Pratim Roy

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EDUCATION

PhD UAB, Spain 2010
MS UAB, Spain 2006
BTech Kalyani Univ 2002

TEACHING

Artificial Intelligence | Machine Learning | Information Retrieval | System Software | Data Mining | Computer Graphics | OOAD | Object Oriented Programming | DBMS | Data Structures | Intro Computer Sc. | C Programming

FULL STACK DEVELOPMENT

Faculty at Great Learning

RESEARCH STUDENT

PhD 18 (12 Completed)
Mtech 30+ | BTech 80+

PUBLICATION

Journals 150 | Conference 110

SELECTED VENUES

Scientific Reports-Nature | IEEE T-CSVT | IEEE T-CDS | IEEE T-Cybernetics | IEEE T-ITS | IEEE T-FS | PR | Information Fusion | ESWA | Information Sciences | CVPR | WACV | ACCV | ICPR | ICASSP | ICIP

GOOGLE SCHOLAR

Citations: 10000+ | h-index: 54
i10-index: 200+

PROFESSIONAL

ASSOCIATE EDITOR

Neurocomputing | IET Image Processing | IEEE Trans. CSVT | ACM TALLIP | IEICE Transactions IS | SNCS

CO-ORGANIZING CHAIR

CVIP (2016, 2017) | BDA 2022

ADMINISTRATION

CHAIRMAN

Dept. Academic Program (2018-20)

OFFICE IN-CHARGE

Train & Place | Exam | B.Tech Projects

EXPERTISE

Pattern Recognition | Computer Vision | Deep Learning | Biometrics | Document Image Processing | EEG Analysis | Brain-Computer Interface

INDUSTRY EXPERIENCE

2013	Samsung Research Institute	Chief Engineer	Computer Vision
2005-07	Hewlett-Packard, Spain	Research Intern	Human-Computer Interface
2003-05	TATA Consultancy Services	Assistant System	Oracle Module Leader

START-UP

FARMICON INDIA PRIVATE LIMITED | CO-DIRECTOR

2022 – Present | IIT Roorkee | Web: farmicon.in

Provide technology solutions including precision agriculture, crop monitoring systems, soil analysis tools, and drone-based surveying systems powered by AI, ML, and IoT.

MYTHYVERSE PRIVATE LIMITED | MENTOR AND PARTNER

2022 – Present | GNEC, IIT Roorkee | Web: mythyaverse.com

Leverages the metaverse and generative AI to build immersive solutions that enhance learning, wellness, productivity, and digital engagement.

PROJECTS AS PRINCIPAL INVESTIGATOR

2026-28	France	10K USD	Ecology record understanding using AI
2025-28	Japan	30K USD	Mental Workload estimation during Interview
2025-26	Australia	5K USD	Riverine waste debris analysis using CV
2022-23	HP, USA	30K USD	Smart Device Services Diagnostic Capabilities
2022-25	NIC	50K USD	Multilingual Text Recognition & Interpretation
2020-23	DRDO	50K USD	Human Machine Collaboration
2019-23	MHRD	50K USD	Tracking Depression by Cognitive Neuroscience, ML
2015-18	DST	16K USD	Indic Scene Text Recognition

AWARDS/HONORS

2025	Fellow of Institution of Engineers (FIE)
2023	Fellow of Institution of Electronics and Telecommunication Engineers (FIETE)
2022-23	iHUB Divyasampark Faculty Fellow, IIT Roorkee
2022	Adjunct Professor of University of Engineering & Technology Roorkee
2020-25	Top 2% scientists listed by Stanford University
2019	Most Cited Pattern Recognition Letters Articles
2019	Top 10% papers award in ICIP, Taiwan (2 papers)
2018	Best Poster Award SPARK, IIT Roorkee
2018	Best BTech Project in CSE, IIT Roorkee
2017	Alumni Award of Distinction at IEM, Kolkata
2014	Top 10% papers award in ICIP, France
2009	Best Student Paper in ICDAR, Spain
2003	Topper of Base-branch selection, TATA Consultancy Services, India.

SOCIETIES

2019	Senior Member	Institute of Electrical and Electronics Engineers (IEEE)
2018	Member	Institute of Document Analysis and Knowledge Science, Japan
2017	Member	Patanjali Research Foundation (Trust), Haridwar
2011	Life Member	Indian Unit of IAPR