

Utkarsh Vijay - CV

Dr. Utkarsh Vijay (also known as **UV**) is a Marie Skłodowska-Curie PhD graduate from the Laboratoire de Réactivité et de Chimie des Solides (LRCS), Université de Picardie Jules Verne, where he developed physics-informed digital twins for battery electrode manufacturing by integrating experimental methods, machine learning, and multiscale modeling. With an academic background from IISc Bangalore and dual Master's degrees in recycling and circular economy through the EIT RawMaterials program, his work lies at the intersection of sustainable materials, advanced manufacturing, and digital technologies. He is currently co-founding a deeptech startup in France aimed at translating low-TRL battery research into scalable industrial solutions. In parallel, Utkarsh co-founded GoBudee Educare, an edtech venture in India through which he has mentored over 5,000 students since 2016, and continues to support learners globally in research, careers, and higher education. His journey reflects a unique blend of scientific depth, entrepreneurial vision, and a strong commitment to impactful innovation and student mentorship.