



Dr. Syed Haider Abbas Rizvi

Strategy & Business Operations Leader — Applied Research to Commercial Execution

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Strategy and operations leader with 4 years building and scaling Solarad AI, preceded by 6 years of industry-funded PhD research with ReNew Power — diagnosing a 10% power-loss problem for India's largest renewable energy company and leading a research programme generating USD 35M+ commercial impact. Grounded in a PhD in solar aerosol science from IIT Delhi, the approach starts with defining the problem rigorously, then building the framework to solve it.

USD 35M+ RESEARCH IMPACT	6 COUNTRIES SCALED	~10 GW 100+ PLANTS DEPLOYED
0 → 40% ME REVENUE, 18 MONTHS	130% NET REVENUE RETENTION	USD 450K SEED FUNDING RAISED
11 CROSS-FUNCTIONAL TEAM BUILT	<10% ANNUAL ATTRITION	5 PEER-REVIEWED PAPERS

Experience

Co-Founder & Chief Operating Officer (progressed to CEO, Apr 2025)

Solarad AI

Delhi NCR & Middle East · Jul 2022 – Present

- Led Middle East market-entry strategy from the ground up — growing the region from 0% to 40% of company revenue within 18 months
- Built Solarad AI's full commercial operating system — GTM playbooks, delivery, and revenue-ops infrastructure — sustaining 90%+ renewal rates
- Owned P&L and pricing strategy (+20% margin improvement); led fundraising to a close of USD 450K seed funding
- Built and led a cross-functional team of 11 across data science, engineering, and operations, sustaining under 10% annual attrition

- Primary escalation and governance owner across enterprise accounts including Masdar, ACWA Power, Tata Power, Adani Power, ReNew Power, and others

Research Lead – Industry Partnerships

ReNew Power Centre of Excellence, IIT Delhi

New Delhi · Jan 2021 – Jun 2022

- Identified the root cause of ~10% monthly power loss from dust deposition, directly informing client capital allocation decisions
- Delivered a research programme generating USD 350K impact per 100MW plant, 100% on-time

Industry Research Programme Lead & Laboratory Incharge

IIT Delhi

New Delhi · Jan 2016 – Dec 2020

- Secured and led an industry-sponsored research collaboration with ReNew Power generating USD 35M+ commercial impact
- Built the Complex Fluid Laboratory from scratch within a USD 255K capital budget; led a team of 8

Visiting Professor

Harcourt Butler Technological Institute

Kanpur · Jul 2013 – Dec 2015

- Designed and delivered undergraduate chemical engineering curriculum; mentored 4 cohorts (40+ students)

Also exploring: CredoCarbon, an early-stage carbon-credit concept, on a part-time basis — open to pursuing further if market traction strengthens.

Education

Ph.D., Chemical Engineering

Indian Institute of Technology Delhi — GPA 8.2/10

2016 – 2022 · Solar Aerosol Science

M.Tech., Chemical Engineering

Harcourt Butler Technological Institute, Kanpur

2011 – 2013

B.Tech., Chemical Engineering

Harcourt Butler Technological Institute, Kanpur

2007 – 2011

Research

Energies — 2024

Journal of Quantitative Spectroscopy and Radiative Transfer — 2024

Urban Climate — 2023

Journal of Petroleum Science and Engineering — 2022

Energy & Fuels — 2021

Leadership & Recognition

President — PG Academic & Co-Curricular Council, IIT Delhi (2019–20)

Best Secretary Award — Board of Hostel Management, IIT Delhi (2018–19)

Gold Medal — Inter-IIT Snooker Championship (2017)

Gold Medal — Inter-school Badminton (2008)

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