

TCS R&I

Corporate Incubation

Identifying, shaping and nurturing innovative ideas in emerging technology areas into new big-bet businesses for TCS

Corporate Research & Innovation invites applicants for TCS Pre/Post-Doctoral Fellowship & Apprentice Program (Contractual Position of 1-2 years) in the exciting emerging technology area of Quantum Computing. Among others, candidates with qualifications in Computer Sc, Ops Research, Applied Mathematics & Industrial Engg welcome to apply

Apply to us to work on real-life business challenges, in-house projects, collaborative projects across Research labs and/or institutions across domains and on diverse Quantum Computing uses cases spanning Machine Learning, Optimization, Simulation, Security etc.

Who can apply: Fresh Graduates and Pre/Post-Doctoral candidates who want an industry stint to showcase their talent and gain valuable industry perspectives & experience

How to apply: Mail to paridhi.rahabar@tcs.com

Interested and eligible applicants will be shortlisted based on their profiles and put through 1 Round of interview. Depending on the area of work, some qualifying candidates may also be invited for an additional Round 2 if required

Eligibility Criteria:

Pre/Post-doctoral Fellowship – Two strong recommendations letters from faculty
Pre-doctoral Apprentice - CGPA 8.0 and above. No arrears in any semester. One recommendation from HoD/Faculty

Preferred Skill Profile:

- Strong knowledge of Linear Algebra and Algorithms is mandatory
 - Knowledge/hands-on experience in 1 or more of Optimization, Operations Research, Numerical Methods, Machine Learning, Python programming
 - Knowledge/Hands-on experience in Quantum SDKs such as Qiskit, Q# (desirable)
 - Experience in topics such as mixed-integer programming, discrete optimization, large-scale optimization, constraint programming, heuristics (desirable)
 - Experience with tools such as GAMS, AIMMS, AMPL and solvers such as CPLEX, Gurobi etc. (desirable)
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