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Introduction:

Mr. Shivam Chauhan is an accomplished Electrical Engineer specializing in battery systems, BMS, power electronics, and hardware-software integration. He received his B.Tech degree in Electrical Engineering from Gujarat Technological University, Bardoli, Gujarat, India, in 2015, and his M.Tech degree in Electrical Engineering from the Institute of Infrastructure Technology Research and Management (IITRAM), Ahmedabad, Gujarat, India, in 2022.

With significant experience in research and development, he currently contributes to Rolls-Royce @ NTU Corporate Lab, Singapore, focusing on health monitoring systems for electric propulsion in aircraft. His expertise encompasses developing algorithms for electric propulsion system health monitoring and battery degradation analysis. He has also worked as a BMS Engineer at Matter Motor Works and Hardware Engineer at System Control as well as he holds four granted patents. His areas of interest include Battery Management Systems (BMS), condition monitoring, power converters, energy storage systems, electric air mobility, and electric vehicles.