Low dimensional solvable Lie Algebras were completely classified up to dimension six. A general theorem asserts that if \( g \) is a solvable Lie Algebra of dimension \( n \), then the dimension of its nilradical is at least \( \frac{n}{2} \). For the seven-dimensional algebras, the nilradical's dimension could be 4, 5, 6 or 7. We give an update on this project and share our contribution to the five-dimensional nilradical case. This research was conducted as part of the 2018 REU program at Grand Valley State University. (Received September 10, 2018)