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IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 4, Issue 1, February 2024

A Literature Survey on AI Driven Career Path Prediction

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Abstract: The field of career path prediction and professional planning has seen a significant change due to the growing convergence of AI and computational intelligence. This overview of the literature delves into the latest developments in AI-powered career path prediction, combining research results from several fields. Predictive models and approaches applied to scientists, IT professionals, MBAs, students, and individuals in a variety of industries are examined in this study.

The study begins with an analysis of how mixed job expectations affect IT professionals' career satisfaction, emphasizing the careful balance that must be struck between administrative and technical tasks. The gender gap in MBA career trajectories is discussed in the following sections, with a focus on wage distribution, promotions, and patterns of mobility. After that, the review turns its attention to long-term career projections and presents cutting-edge models like NAOMI, Fortune Teller, and CareerBERT

Keywords: AI-powered career path prediction, XGBoost and Decision Trees, Cutting-edge models, IT career routes and challenges, Researcher relocation forecasts

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Volume 4, Issue 1, February 2024

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DOI: 10.48175/IJARSCT-15376

