

The Irreplaceable Role: Exploring the Last Job in IT in the Age of AI

Rida Khan and Abres Siddique and Divakar Jha

Students, Department MCA

Late Bhausaheb Hiray S S Trust's Hiray Institute of Computer Application, Mumbai, India

Abstract: *The rapid advancement of artificial intelligence (AI) and automation has transformed industries across the globe, leading to significant disruptions in traditional job roles. The IT sector, as a frontrunner in technological innovation, is particularly affected by these developments. However, amidst the rise of AI-driven automation, certain roles in IT remain irreplaceable due to their reliance on uniquely human capabilities such as creativity, empathy, ethical judgment, and strategic thinking. This paper explores the concept of "The Last Job in IT" by analysing the evolving role of AI in IT professions, identifying jobs most resistant to automation, and hypothesizing what might constitute the final human-centric role in this domain. Through literature reviews, trend analysis, and case studies, the research sheds light on the future of work in IT and provides a roadmap for professionals to future-proof their careers.*

Keywords: Artificial Intelligence, Automation, IT Jobs, Human-AI Collaboration, Ethical Judgment, Strategic Thinking, Creativity, Empathy, Future of Work, IT Roles