**JARVIS: AI-based personal assistant**

SE-C-6

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JARVIS (just a rather very intelligent system) is a high-level personal assistant developed to increase productivity through cleverly automating tasks on personal computers. Contrary to traditional voice assistants, JARVIS combines sophisticated context-aware automation, Natural Language Processing (NLP), and Optical Character Recognition (OCR) abilities to address intelligent reminders, autofill online forms, summarizing documents, and automating tedious digital chores. Our literature review highlighted the present shortcomings in virtual assistants—voice recognition and rudimentary commands for the most part—underlining the need for end-to-end solutions that work in a specific user context. The ultimate, long-term aim of JARVIS is to change the relationship between the user and technology to its core, making it efficient, convenient, and allowing the user to allocate their focus elsewhere.

Keywords: AI, automation, NLP, OCR, productivity, personal assistant, task management.