Ashesh Nepal

Prof. Mark Gill

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<div align="center">The Future of AI: Conquering The Next Decade</div>

At the current rate of progress, it is not an overstatement to say that in the next decade, AI will be a major part of our lives. There is always a high error rate when it comes to predictions of the future, with that being said, I believe that three major changes will take place in the upcoming decade, the loss of employment, an extreme proliferation of fake information, and natural language programming solutions.

Among all my predictions I feel the most confident about the loss of employment AI will be causing in the upcoming decade. While the AI optimist among us may say that there will be new areas of employment created through AI or that AI will supplement our current roles I believe that certain jobs are bound to be obsolete. In the upcoming decades after the moral quandaries and technological challenges of self-driving cars are solved there is a high probability that the vehicle operators will at minimum have much reduced duties if not no duties at all to what they have right now. In his paper, "The Impact of Artificial Intelligence on the Labor Market", author Webb predicts a decrease in employment shares of between 9 and 18% and a decline in wages of between 8 and 14%.

As AI technologies evolve, so does their capacity to generate and disseminate information. The proliferation of fake news is a concerning trend that is expected to escalate in the next decade. With the development of highly sophisticated AI algorithms, generating realistic and convincing fake news articles, images, and videos will become increasingly challenging to

discern from authentic content. This poses a significant threat to the credibility of information sources, undermining public trust and potentially leading to a future where no information can be trusted. Numerous research initiatives are underway to pinpoint and mitigate the repercussions of misinformation on the public. One noteworthy effort is "The Online Misinformation Engagement Framework," which systematically classifies the inception of misinformation and its effects into four distinct stages. These endeavors serve as a guiding light, offering hope as we strive to comprehend and effectively address the challenges posed by misinformation (Geers et al.).

The next decade is poised to witness a surge in the popularity and practicality of natural language programming (NLP). NLP, a subfield of AI, focuses on enabling machines to understand, interpret, and generate human-like language. With advancements in machine learning and neural network architectures, NLP is expected to become more sophisticated, allowing for seamless interactions between humans and machines (Mehta and Devarakonda). In the realm of software engineering, an AI-based compiler may be created to accurately compile natural English to machine code making it such that software engineering will completely focus on the design rather than semantics of a language.

In conclusion, the next decade holds the promise of transformative changes driven by the continuous advancement of AI. While this paper did contain several bleak predictions of AI negatively impacting our society I truly do believe that with proper governance, we can harness the positive potential of AI while mitigating its negative consequences, ensuring a future where technology serves the betterment of humanity.

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