Master Thesis: Interview for Software Development Department

Dear Interviewee,

Firstly, I would like to express my utmost gratitude for taking time to participate in this interview, which is an important step of my master's thesis.

The aim of this interview is to gain a comprehensive understanding of your department needs, challenges and potential areas where AI can be used to bring positive impact. Your unbiased and honest insights are important and will contribute notably to this research success.

To guarantee that the data gathered is as impartial and insightful as possible, I respectfully ask for the following:

Be Specific: Please provide specific examples or scenarios where you believe AI could be beneficial.

Current Pain Points: Please describe any current challenges, inefficiencies, or struggles you are facing or process within your workflow that might be done using AI tool. This will assist us in pinpointing areas where AI solutions could bring improvements.

Concerns and Limitations: We welcome identification of challenges and obstacles as it is essential for effective incorporation of AI in your workflow.

Honesty is Key: Honesty is crucial in this situation. Your honest insights within your workflow will aid us in selecting the most effective AI solution for your specific needs.

I assure you that this data collected through interview will be treated with confidentiality. Your insight will play an important part in pinpointing potential areas where AI can be used to bring positive impact.

Once again, Thank you very much for your participation. Your knowledge and expertise within your field are invaluable for this research topic.

If you have any queries or require further/any clarification, please do not hesitate to reach out.

Warm regards,

Shuvam Singh

* Indicates required question

1. On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely   *
   likely, What potential impact do you see for AI in your field of work.

   Mark only one oval.

	1	2	3	4	5	
Not	◯	◯	◯	◯	◯	Extremely Likely

2. What is the issue/problem that you want to solve using AI? *

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3. How well do you understand the problem/issue? And what do you mean you   *
   want to use AI for that issue/problem?

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4. On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely   *
   likely, how comfortable are you with integrating AI technologies into the software
   development department?

Mark only one oval.

	1	2	3	4	5	
Not	◯	◯	◯	◯	◯	Extremely Likely

5. Elaborating in above Likert scale question, What challenges and obstacles do   *
   you see in integrating AI tools to enhance your performance in development
   department?

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6. On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely   *
   likely, how effective are AI driven software automated testing tools?

Mark only one oval.

	1	2	3	4	5	
Not	◯	◯	◯	◯	◯	Extremely Likely

7. Elaborating in above Likert scale question, Would it be possible to utilize AI to anticipate and prevent potential software vulnerabilities and security threats? How? *

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8. On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely likely, how effective do you think AI tools are to improve work optimization and task delivery speed? *

Mark only one oval.

	1	2	3	4	5	
Not	◯	◯	◯	◯	◯	Extremely Likely

9. Expanding in above Likert scale question, Could AI streamline repetitive and time-consuming tasks, enhancing overall speed and efficiency? What kind of tasks does AI is most useful for in your workflow? *

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10. On a scale of 1 to 5, where 1 indicates not likely at all and 5 indicates extremely *
likely, how effective do you think integrating AI technologies into the software
development department would be?

Mark only one oval.

	1	2	3	4	5	
Not	◯	◯	◯	◯	◯	Extremely Likely

11. Expanding in above Likert scale question, How effective do you think AI tool *
would be for your current workflow, and what support or resources would you
need to facilitate the adoption and use?

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12. Any feedback or further suggestion?

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Google Forms