

KABEER AHMED MERCHANT

****Customized Podcast Questionnaire for Kabeer Ahmed Merchant****

****Introduction (5 questions)****

1. Kabeer, welcome to the podcast! Can you tell us a little bit about yourself and how you got started in the tech world?
2. What sparked your interest in computer science, and what motivates you to continue learning and growing as a developer?
3. As someone who's worked on various projects, including Project Vaayu and JalMitra, can you walk us through your thought process when approaching a new project or idea?
4. How do you stay up-to-date with the latest trends and advancements in AI and ML, and what role do you think these technologies will play in shaping the future of education?
5. As someone who's passionate about sharing knowledge, what drives your content creation efforts on platforms like Codestreak and YouTube?

****Background Story (5 questions)****

1. Kabeer, can you share some insights from your experiences working on Project Vaayu, and how that project has impacted your perspective on the role of AI in education?
2. How do you see the intersection of AI and education evolving over the next few years, and what opportunities or challenges do you think this presents for educators and learners alike?
3. As someone who's been involved in hackathons like Smart India Hackathon 2024, can you speak to the importance of collaboration and innovation in driving forward meaningful projects?
4. What are some key takeaways from your experiences as the Content Development Head for the Entrepreneurship Development Cell at Pune Vidyarthi Griha's College of Engineering and Technology?
5. How do you think AI-powered tools can be leveraged to support students with diverse learning needs, and what role do you see teachers playing in this process?

****Evolution as a Coder (5 questions)****

1. Can you walk us through your journey from beginner to proficient coder, and what key milestones or challenges you faced along the way?
2. How do you approach learning new programming languages or technologies, and what strategies have been most effective for you in staying up-to-date with the latest developments?
3. What advice would you give to someone just starting out on their coding journey, and how can they best prepare themselves for the challenges ahead?
4. As someone who's worked on a range of projects, can you share some insights from your experiences with debugging, problem-solving, and overcoming obstacles in code development?
5. How do you prioritize learning and self-improvement as a developer, and what role do you see mentorship or community involvement playing in this process?

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****Start of Coding Journey (3 questions)****

1. What inspired you to start coding, and how did that initial spark translate into your early projects and experiences?
2. Can you share some stories about your earliest coding endeavors, and how they shaped your perspective on the role of code in shaping the world?
3. How do you think your early experiences as a coder have influenced your approach to learning and problem-solving today?

****Introduction to the Tech World (4 questions)****

1. Kabeer, can you share some insights from your experiences working with Unreal Engine, Jupyter Notebooks/Google Colab, or other tools that have been important in your coding journey?
2. How do you stay current with advancements in AI and ML, and what role do you see these technologies playing in shaping the future of tech innovation?
3. As someone who's worked on a range of projects, can you walk us through some key decisions or trade-offs you've made when it comes to tooling, architecture, or design choices?
4. What advice would you give to developers looking to expand their skill set into AI and ML, and what resources or learning pathways have been most effective for you?

****How Did Your Startup Begin? (4 questions)****

1. Can you share some insights from your experiences starting and growing a tech startup, and what role do you think AI and ML played in that process?
2. How did you identify the need or opportunity that led to starting your startup, and what key milestones or challenges did you face along the way?
3. What advice would you give to aspiring entrepreneurs looking to start their own tech startups, and what resources or support networks have been most helpful for you?
4. As someone who's built a range of projects, can you walk us through some key lessons learned from your startup journey, and how those experiences have shaped your approach to future projects?

****Lessons from Your Startup Journey (3 questions)****

1. Can you share some stories about the most significant challenges or setbacks you faced during your startup journey, and how you overcame them?
2. How do you think AI and ML can be used to support entrepreneurship and innovation, particularly in the tech world?
3. What role do you see failure playing in the learning process, and how have you incorporated those lessons into your future projects or endeavors?

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****What Have You Built? (4 questions)****

1. Can you walk us through some of the most notable projects you've built, and what drove your decision-making when it came to design, architecture, or tooling choices?
2. How do you approach building and scaling a project, particularly one that involves AI and ML components?
3. What advice would you give to developers looking to build their own AI-powered applications, and what resources or learning pathways have been most effective for you?
4. As someone who's worked on a range of projects, can you share some insights from your experiences with debugging, problem-solving, and overcoming obstacles in code development?

****Introduction to the AI & ML World (5 questions)****

1. Can you walk us through some key concepts or frameworks that have been important in your work with AI and ML, such as TensorFlow, PyTorch, or scikit-learn?
2. How do you stay current with advancements in AI and ML, and what role do you see these technologies playing in shaping the future of tech innovation?
3. As someone who's worked on a range of projects, can you share some insights from your experiences working with AI-powered tools or frameworks like OpenCV, NumPy, or Pandas?
4. What advice would you give to developers looking to expand their skill set into AI and ML, and what resources or learning pathways have been most effective for you?
5. How do you think AI-powered tools can be leveraged to support education and lifelong learning, particularly in the context of emerging technologies like AR/VR?

****Importance of Math and Fundamentals (3 questions)****

1. Can you share some insights from your experiences working with mathematical concepts or frameworks that have been important in your work with AI and ML?
2. How do you think math and fundamentals play a role in shaping the future of AI and ML, particularly as these technologies continue to evolve and mature?
3. What advice would you give to developers looking to strengthen their understanding of math and fundamentals, and what resources or learning pathways have been most effective for you?

****How to Build Projects (4 questions)****

1. Can you walk us through some key decisions or trade-offs you've made when it comes to building projects, particularly those involving AI and ML?
2. How do you approach designing and architecting a project, particularly one that involves multiple stakeholders or components?

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3. What advice would you give to developers looking to build their own AI-powered applications, and what resources or learning pathways have been most effective for you?

4. As someone who's worked on a range of projects, can you share some insights from your experiences with debugging, problem-solving, and overcoming obstacles in code development?

****Standing Out in Today's Tech Landscape (3 questions)****

1. Can you share some insights from your experiences working on projects that involve AI and ML, and what role do you see these technologies playing in shaping the future of tech innovation?

2. How do you think developers can stand out in today's tech landscape, particularly as AI and ML continue to evolve and mature?

3. What advice would you give to developers looking to differentiate themselves or build a strong personal brand in the tech world?

****AI Agents (4 questions)****

1. Can you walk us through some key concepts or frameworks that have been important in your work with AI agents, such as natural language processing (NLP) or reinforcement learning?

2. How do you approach building and training AI agents, particularly those that involve multiple stakeholders or components?

3. What advice would you give to developers looking to build their own AI-powered applications, and what resources or learning pathways have been most effective for you?

4. As someone who's worked on a range of projects, can you share some insights from your experiences working with AI agents, particularly those that involve machine learning or deep learning?

****Conclusion (1 question)****

1. What advice would you give to developers looking to build their own AI-powered applications, and what resources or learning pathways have been most effective for you?