

CARRIER ORIENTED PRESENTATION

VANSH PRASHANT FARTADE
SA17 “1L”

Start



AI AND MACHINE LEARNING ENGINEER

- Design, build, and deploy artificial intelligence systems that automate tasks or generate insights.
- Develop and validate AI and machine learning models and algorithms from scratch.
- Collaborate with data scientists, software engineers, and product teams to integrate AI into business processes.
- Manage training data, preprocess datasets, and handle data pipelines for model accuracy.
- Test, evaluate, and monitor model performance and reliability across different use cases.

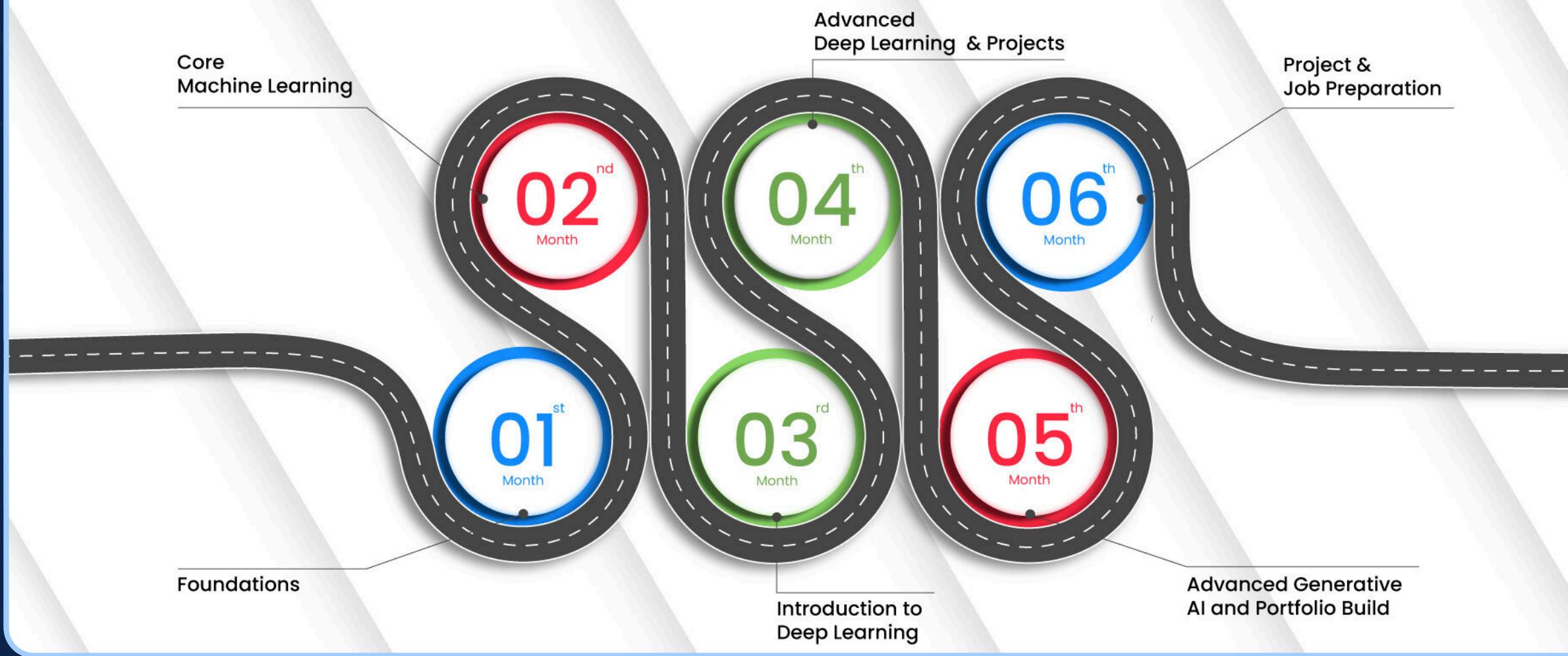




ROADMAP

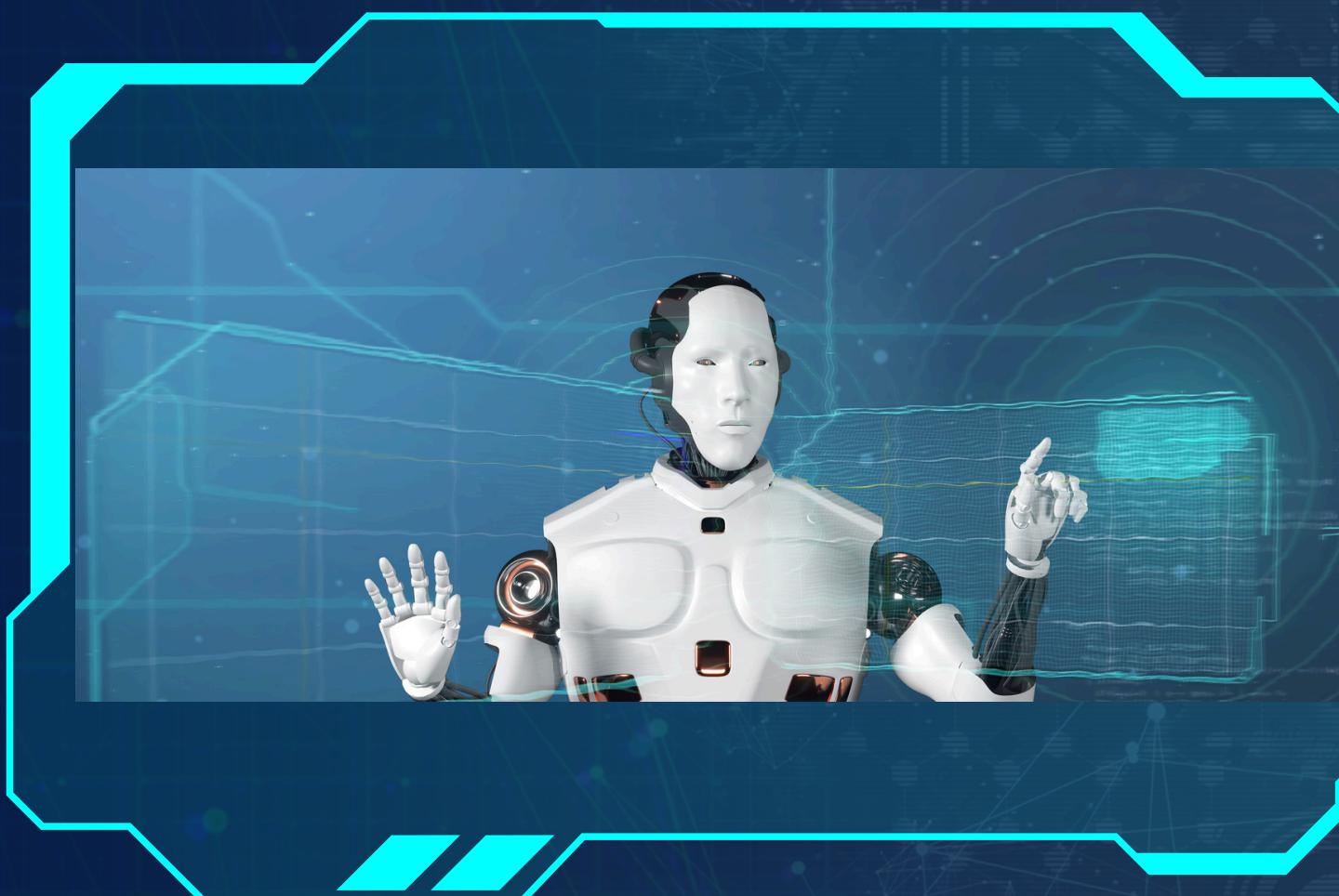


6 Month AI Engineer Roadmap

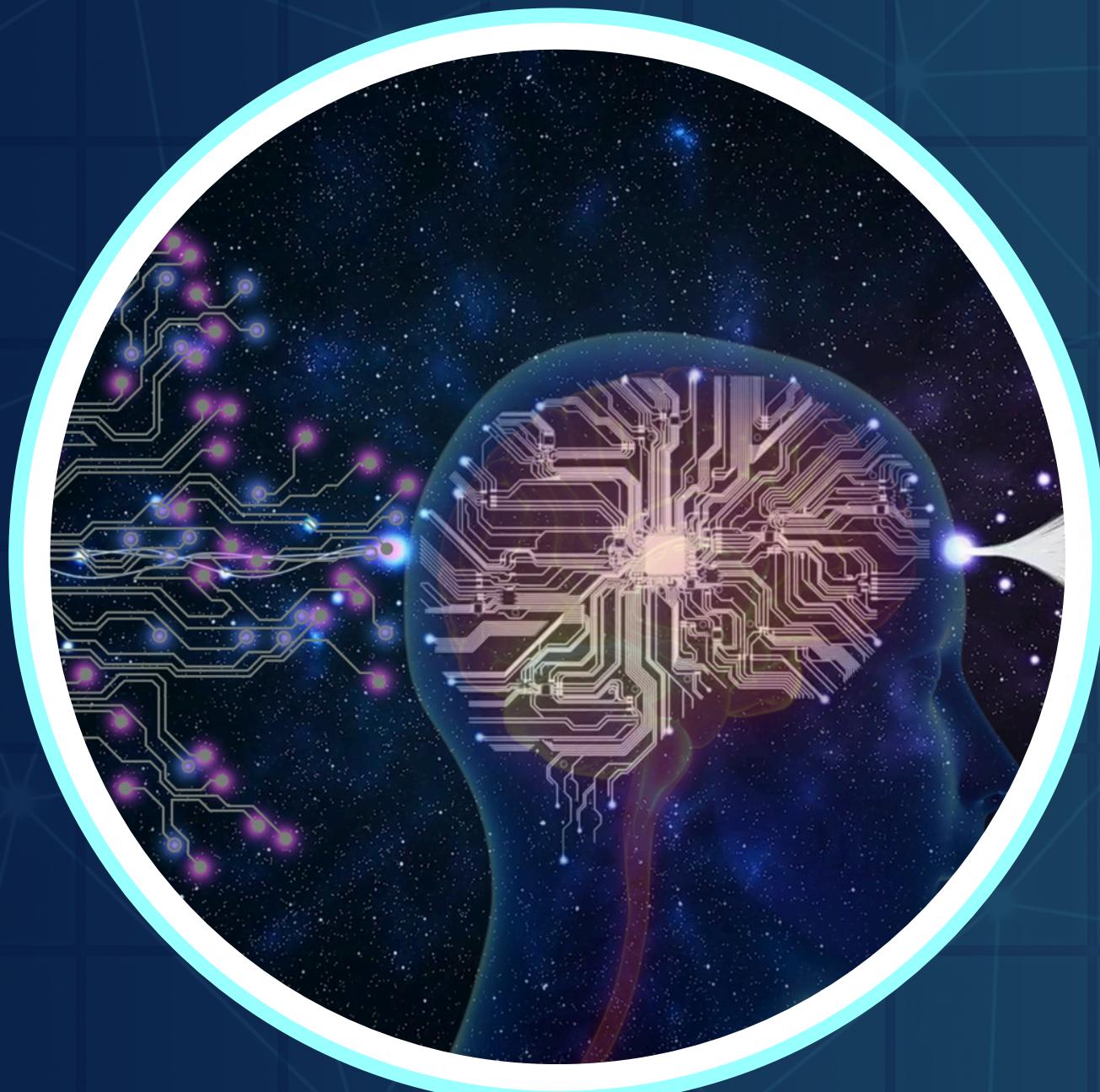




SKILLS REQUIRED



- Proficiency in programming languages: Python, Java, C++
- Expertise in machine learning frameworks: TensorFlow, PyTorch, Keras
- Knowledge of data science tools: Pandas, NumPy, Jupyter Notebooks
- Strong foundation in mathematics: linear algebra, calculus, probability, statistics
- Understanding of machine learning algorithms, deep learning, NLP, and computer vision



PURPOSE

- Design and develop intelligent systems using AI and ML.
- Build and deploy machine learning models for automation and insights.
- Solve complex real-world problems with data-driven solutions.
- Improve efficiency, decision-making, and innovation in organizations.
- Create scalable, reliable, and optimized AI systems.





FUTURE



- The future of AI and ML engineering is highly promising and evolving.
- Engineers will advance technologies like autonomous systems, robotics, and smart cities.
- Demand for AI and ML professionals will keep growing across industries.
- Key trends include ethical and explainable AI, edge AI, and NLP advancements.
- AI-powered automation tools will become more widespread.





THANK YOU!

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