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Get Detailed Notes

## Detailed Notes:

This YouTube video presents a 6-month AI Engineer Roadmap, emphasizing practical skills and free resources.

The roadmap covers:

- **Fundamentals:** Python programming and statistics, essential for data manipulation and analysis.
- **Data Handling:** EDA, feature engineering, and databases (SQL & NoSQL) for data understanding and management.

- **Machine Learning:** Supervised and unsupervised learning algorithms (linear regression, random forest, clustering) for model building.

- **Deep Learning:** CNNs, RNNs, Transformers for advanced applications, along with Natural Language Processing (NLP).

- **Deployment & MLOps:** Frameworks like Flask, Docker, and cloud platforms (AWS, Azure, GCP) for deploying and managing models in production.

- **Generative AI:** Introduction to concepts like fine-tuning, Langchain, and platforms like AWS Bedrock for leveraging pre-trained models.

The roadmap encourages viewers to practice through provided projects and emphasizes the importance of understanding software development lifecycles. It also suggests gaining basic knowledge of Big Data and Cloud Engineering for better collaboration in real-world projects.

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