**MLOps Notes**

| **Lecture Wise Notes** | | |
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| **Topic** | **Notes** | **Cheat sheet** |
| **Git & GitHub: Setup for MLOps** | [Git And Github](https://docs.google.com/document/d/1Q83VxKisECH6fIP42F1aSrK8eXU1QWMMPA3IPRtmApc/edit) | [git-cheat-sheet-education.pdf](https://drive.google.com/file/d/1qsHouH4924QzWyCkDofV8eYWKtJT20Xw/view?usp=drive_link) |
| **Building Cars24 ML tool using Streamlit** | [Streamlit](https://docs.google.com/document/d/140kIi4TXPSGGLgUi7Ds8FeLD2ZseXdyC23tyJeyGBKM/edit#heading=h.dtlpd25w8bn4) |  |
| **Develop Web APIs using Flask** | [Web APIs - Flask](https://docs.google.com/document/d/1VvzIUas1_5xR_BP4kA-VAbj0Og3d4Fn7a3TgnK4am9A/edit) | [flask-cheat-sheet.pdf](https://drive.google.com/file/d/1705hDOsBCShGwEGSOetvfejYeUFtWFzl/view?usp=drive_link) |
| **Containerization - Docker & DockerHub** | [Containerization & Docker](https://docs.google.com/document/d/1ycoKKGYBXLYtpTFeILyg0R8aHAjgQ_eJrU--GH570mY/edit) |  |
| **Deploying APIs on AWS using ECS** | [Deploy docker to ecs](https://docs.google.com/document/d/17p0Yu86CYPfctt1EwVPLh5riySU6rl1RsjZIBAezLxc/edit) |  |
| **GitHub Actions - Setting up CI/CD pipelines** | [CI/CD with github actions to ECS](https://docs.google.com/document/d/1MJGLgW1WMwVXJM94tIKzUktDezACJwxzC1iFMXiqysQ/edit) |  |
| **Experiment Tracking & Data Management using MLFlow** | [Experiment tracking](https://docs.google.com/document/d/1LYirKmcgrWEO2CbximZfWN4ZXE_jOjKrFPWI7xTWmEk/edit) |  |
| **ML System Design - 1** | [Monitoring Machine Learning Systems](https://docs.google.com/document/d/19b3bp1CDjUW0OY--5vvjq_zn0pp7Y0JYjBOqyjLfdQY/edit) |  |
| **ML System Design - 2** | [Netflix System design](https://docs.google.com/document/d/1UkAoBKJcpARNvh-OHjNri1dQwD8GSQJzy5lN0x6Ex3Q/edit#heading=h.6oqet0bkcn9) |  |
| **Building ML pipelines with AWS Sagemaker** | [Sagemaker](https://docs.google.com/document/d/1GvNq-kAMHFRS-6SJrXqrHDbvpFOzDi3_PyDhsdIk9eQ/edit) |  |
| **Processing large scale data using Apache Spark** | [PySpark](https://docs.google.com/document/d/1n3sTAdH-IOQJ31P0lnQY8ydquaty4XK4N1wIJzSaD3c/edit) |  |