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| **Agenda:**  **Day 1 – Deep Learning & Image Processing**   |  |  |  | | --- | --- | --- | | **Time** | **Topic** | **Owner** | | 8:30AM | Breakfast & Registration |  | | 9:00 AM | Session: Introduction to Neural Networks | Sanjeev | | 10:00 AM | Lab: Setup (Databricks, environment setup) | Prashant, Kate prep. Kate to deliver | | 11:00 AM | Break |  | | 11:15 AM | Session: Introduction to Deep Neural Networks (includes Convolutional Networks) | Giovanni / Prashant | | 12:15 PM | Lunch break |  | | 1:00 PM | Introduction to Keras Library | Kate | | 1:30 – 3:00 PM | Lab: Keras – CNNs for image classification on fashion mnist dataset | Kate | | 3:00 – 3:15 | Break |  | | 3:15 PM | Application: Visual Search (with demo) | Giovanni | | 4:00 PM | Cognitive Services for image/vision (with optional lab to include classification and segmentation) | HyunSuk.  Participants will need Azure ID. | | 5:00 | Conclusion – Q&A |  |     **Day 2 – Deep Learning & Other Scenarios**   |  |  |  | | --- | --- | --- | | **Time** | **Topic** | **Owner** | | 8:30AM | Breakfast & Registration |  | | 9:00 AM | Session: Introduction to Recurrent Neural Networks | Giovanni | | 10:00 AM | Lab:  Time series forecasting with RNN | Sanjeev | | 11:00 AM | Break |  | | 11:15 AM | Session: Recommendation | Giovanni | | 12:15 PM | Lunch Break |  | | 1:00 PM | Lab: Recommendation with NN | Giovani to write lab.  Prashant / Kate to deliver | | 2:00 PM | Session: Introduction to autoencoders | Giovanni | | 3:00 PM | Break |  | | 3:15 PM | Application: Anomaly Detection (with financial services demo) | Giovanni | | 4:15 PM | Session: Operations with Azure Machine Learning Services.  AML services + databricks.  showcase pipeline? | Hyun | | 5:00 PM | Conclusion -  Q&A |  | |  |  |