Microsoft Azure

Microsoft Azure is a growing collection of integrated cloud services that developers and IT professionals use to build, deploy, and manage applications through our global network of datacenters. With Azure, you get the freedom to build and deploy wherever you want, using the tools, applications, and frameworks of your choice.

Here's some useful links for you to get started:

Azure Website – https://azure.com

Azure Management Portal – https://portal.azure.com

Azure Webinars - https://azure.microsoft.com/en-us/overview/webinars/

Microsoft Virtual Academy - https://mva.microsoft.com/

Machine Learning

Azure Machine Learning was designed for applied machine learning. Use best-in-class algorithms and a simple drag-and-drop interface—and go from idea to deployment in a matter of clicks. [Try it free](#).

If you're a developer who wants the data science built in, check out our [APIs](#) and Azure Marketplace.

Azure Machine Learning website - https://azure.microsoft.com/en-us/services/machine-learning/

Azure Machine Learning Studio - https://studio.azureml.net/

Here's some sample APIs that might be useful:

Sentiment Analysis - https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-machine-learning-integration-tutorial

Real-Time Twitter Sentiment Analysis - https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-twitter-sentiment-analysis-trends

Customer Segmentation using Azure Machine Learning - https://gallery.cortanaintelligence.com/Experiment/Customer-Segmentation-of-Wholesale-Customers-3

Analyzing Customer Churn - https://docs.microsoft.com/en-us/azure/machine-learning/machine-learning-azure-ml-customer-churn-scenario

Online Fraud Detection - https://gallery.cortanaintelligence.com/Collection/Online-Fraud-Detection-Template-1

Chat Bots

Build and connect intelligent bots to interact with your users naturally wherever they are — from your website or app to text/SMS, Skype, Slack, Facebook Messenger, Office 365 mail, Teams and other popular services.

Bot Framework - https://dev.botframework.com/

By using Azure Bot Service, you can accelerate your bot's development by working in an integrated environment that's purpose-built for bot development. You can write your bot in C# or Node.js directly in the browser using the Azure editor without any need for a tool chain (local editor and source control).

Azure Bot Service - https://azure.microsoft.com/en-us/services/bot-service/

Mobile

With the Mobile Apps feature of Azure App Service, it's easy to rapidly build engaging cross-platform and native apps for iOS, Android, Windows, or Mac; store app data in the cloud or on-premises; authenticate users; send push notifications; or add your custom backend logic in C# or Node.js.

Azure Mobile Service - https://azure.microsoft.com/en-us/services/app-service/mobile/

Azure Mobile Engagement is a software-as-a-service (SaaS) user-engagement platform that provides data-driven insights into app usage, real-time user segmentation, and enables contextually-aware push notifications and in-app messaging.

Advance Analytics for Mobile - https://azure.microsoft.com/en-us/services/mobile-engagement/

Mission control for mobile apps (Android, iOS) that brings together all the cloud and lifecycle services that help developers deliver high quality apps faster. You can build, test, distribute, and monitor your apps and easily add backend cloud services to scale your app to millions of users on demand.

Visual Studio Mobile Center - https://mobile.azure.com/

A.I

Microsoft Cognitive Services let you build apps with powerful algorithms using just a few lines of code. They work across devices and platforms such as iOS, Android, and Windows, keep improving, and are easy to set up.

Interesting Case Studies

How Uber is using driver selfies to enhance security, powered by Microsoft Cognitive Services - https://www.youtube.com/watch?v=aEBi4OpXU4Q

Microsoft Cognitive Services: Introducing the Seeing AI project - https://www.youtube.com/watch?v=R2mC-NUAmMk

Here's some sample APIs that might be useful:

Detect Emotion - https://www.microsoft.com/cognitive-services/en-us/emotion-api

Smart Entity Linking - https://www.microsoft.com/cognitive-services/en-us/entity-linking-intelligence-service

Speaker Recognition - https://www.microsoft.com/cognitive-services/en-us/speaker-recognition-api

Natural Language - https://www.microsoft.com/cognitive-services/en-us/language-understanding-intelligent-service-luis

Personal Recommendation - https://www.microsoft.com/cognitive-services/en-us/recommendations-api