

# Aadil Hussain

**B.Tech (2011-2015)**  
**Information Technology (CGPA-7.27)**  
**BIT Sindri, Dhanbad, India**

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## Profile:

LinkedIn Profile: <https://www.linkedin.com/in/aadil-hussain-82a19a81/>

GitHub Profile: <https://github.com/Aadil672/>

Kaggle Profile: <https://www.kaggle.com/aadilanalytics/>

Current role: Cognitive Computing – Chatbot Product Development

Good communication skills, interpersonal skills, self-motivated, quick learner, team player, keen learner for new cutting-edge tools and technologies like Python, ML, DL, Django, Node js, React js, MongoDB, JSON objects.

## Projects:

### ❖ TABot Chatbot

**Role:** Chatbot Product Development

**Duration:** November 2019 to Present

**Description:** Currently working on Travel Assistant Bot (**TABot**), which has two great features like Missed Connection and Baggage Status. Basically TABot will assist passengers on their Missed Connecting flight and track their luggages and will be delivered to their provided address.

Tech Stack Used: Google DialogFlow, JavaScript, FrontM Platform to deploy, AWS, GCP.

### ❖ TOBi Chatbot

**Role:** Developer + L3 Support.

**Duration:** June 2018 - November 2019

**Description:** Working as a Developer & Technical Support on a project " TOBi " a Chatbot for Vodafone UK customers from June 2018 to present. Skill sets are IBM Watson Assistant, Python, Node.js, JavaScript. IBM Cloud (for Watson Assistant and other related services), AWS (Dev/SIT/PAT/PROD environments), AWS CloudWatch, ECS, System Manager, Docker, Redis, Nuance Agent.

Developed a complete New Journey called Full Auth Journey and Bingo Enablement feature.

### ❖ AP Chatbot

**Role:** Developer + L3 Support

**Duration:** Jan 2019 - November 2019

**Description:** Working as a Developer & Technical Support on a project " AP Chatbot (Chatbot for Vodafone Finance) " a Chatbot for Vodafone UK from Jan 2019 to present. Skill sets are IBM Watson Assistant, Python, Node.js, JavaScript. IBM Cloud (for Watson Assistant and for hosting services for Dev/SIT/PAT/PROD environments), Redis, IBM NoSQL Cloudant DB.

❖ **BAO (Business Analytics and Optimization)**

Duration: April 2018 - October 2018

Description: Worked as a part-time on Production support for a period of 6 months

❖ **BAO (Business Analytics and Optimization)**

**Role:** Application Developer – Core Java

**Duration:** June 2016 – April 2018

**Description:** Worked on a Decisioning tool called CDT (Chordiant Decisioning Tool) as BI role for a period of 18-20 months for many different activities like for Customizing Java Web Services, Logic deployment and other Non-production environment activities, DevOps, fixing many pre-production environment issues and provided a quick resolution to test team.

**Personal Projects:**

❖ **Built Cognitive Chatbot:** Developed many cognitive chatbots using IBM Watson Assistant (Watson conversation Service) like **e-FlowerShop**, **eCare** and **iFly Chatbot** (deployed at [www.aadil.intelaedu.com/](http://www.aadil.intelaedu.com/)) at IBM Cloud and Integrated to Facebook Messenger and Slack.

❖ **API Development for ABC Telecom Company** – Designed and developed an API (on Java) which will connect with Mongo BD to perform the following CRUD (Create Read Update Delete Write, etc.) operation on DB.

- ☐ Interact with the shared system using a Java application.
- ☐ Insert new documents from Java application for different sources in the database and see if data is distributed on different shards.
- ☐ Find total call charges for all records and their query behavior.
- ☐ Find the number of calls made from each location and its query behavior.
- ☐ Find revenue generated for each location and its query behavior.

❖ **Machine Learning Project** – Developed a model using the Clustering Machine Learning algorithm to find Outliers out of e-commerce Sales data. That will be used to analyze customer's purchase behaviors, then predicts future sales as well and that can improve product sales and generate more revenue.

❖ **Developed Website** for School **Mount Everest Public School (MEPS)**, Chitarpur, Ramgarh, Jharkhand. Websites developed using PHP, MySQL, HTML and Dreamweaver, JavaScript. (<http://meps.in/>) and another for my home business **Frosty-Steel & Refrigerators**. ([www.frostyrefrigerators.com/](http://www.frostyrefrigerators.com/)).

❖ **Online Examination System** (for MEPS) - Developed using PHP, MySQL, HTML, AJAX, and Apache. The project has been implemented on the event website.

❖ **OPAL Eduventure** (Online Education and Examination platform) – worked as a part of the development team.

❖ **Image Text Extractor:** Building a model to extract text information from a document/Image and then feed to NoSQL DB/Sheet.

Python Library used: Pandas, NumPy, SciPy, Scikit-Learn, Matplotlib, spaCy, PyPDF2, regex (re)

❖ Building NLP and customizable **Chatbot using RASA NLU + MITIE + Botkit**.

❖ Building ToDo App and Twitter bot to read and write messages into Twitter using Python and Django Framework.

## Key Skills:

- **IBM Watson Services:** Watson Assistant, Watson Discovery Service, Tone Analyzer, Visual Recognition Service, Natural Language Understanding, Personality Insights, Sentiment Analysis, etc.
- **Web Development:**  
Back-end development: Python, Node.js(Intermediate), Core Java.  
Front-end development: HTML5, CSS3, Bootstrap, JavaScript.
- **Software Tools:** MS Office, Putty, UNIX, WinSCP, JIRA, Postman, Oracle SQL Developer, Hudson, Jenkins, WebLogic Admin, Chordiant Decisioning Tool, Adobe Photoshop, Dreamweaver, Amazon CloudWatch, ElasticSearch Stack, Django.
- **Database System:** No-SQL DB (IBM Cloudant DB, Mongo DB, Couch DB, Elasticsearch DB), Oracle 11g, MySQL.
- **Cloud Platform:** IBM Cloud, Amazon AWS.
- **Key Courses and Training:**
  1. Attended a three days classroom training of **Microservices Bootcamp** from 9th Oct 2017 to 11th Oct 2017. Had great learning on different tools and technologies like Spring STS, Eclipse with Spring STS plugin, MongoDB, Postman, Json Object, MySQL, Netflix OSS models, Hystrix, Eureka, Docker, Centralized monitoring tool, etc.
  2. Had a **Node JS with basic Angular Js** virtual classroom training from 29th November 2017 to 1st December 2017. Built basic shopping web application where we have the facility to show the list of products and that can be added to the shopping cart and remove an added product from the cart and disable add to cart link whenever it is out of stock.
  3. Completed a training course on **TLE (Technical Leadership Exchange) Micro-Challenge** (a virtual event to building a Cognitive Chatbots and Watson Visual Recognition/Image Processing API services for detecting images of the object with confidence level) from 5th Oct 2017 to 19th Oct 2017 and incorporate learnings into my next coding assignment with Watson core team.
  4. Completed courses designed for capability building for IBM Watson Core Team for new project demand.
  5. I completed 3 days (from 29<sup>th</sup> Jan to 31<sup>st</sup> Jan 2018) classroom training in **Advanced REST API with Microservices Architecture** by Nagabhusanamn (<https://github.com/nagabhushanamn/>).
  6. Building Chatbot using RASA NLU, Google Dialog Flow (api.ai), Kore.ai, Wit.ai, and Amazon Lex as well and integrating with Google Assistant. Using Bot Master Framework for middleware handler.
  7. Courses on **Machine Learning** by Andrew ng from Coursera and “ Machine Learning A-Z™: Hands-On Python & R In Data”, “ Complete Python Bootcamp: Go from zero to hero in Python 3 ” from Udemy.
  8. Completed basic using Full Stack App development using Nodejs, Express, React and MongoDB.
  9. Completed course on DevOps Essential, started courses on Docker and Kubernetes.

## Professional Experience:

### FrontM Limited

#### Chatbot Product Development

- ❖ Quickly learned and played a crucial role in developing several demos/MVP and POCs. like InmarsatBot, Travel Assistant Bot, Destination Explorer.
- ❖ Built a Troubleshooting Bot for Inmarsat client to assist their customer for installation steps, activation issues, connectivity issues and data issues for GX/BGAN network.
- ❖ Currently working on Travel Assistant Bot (**TABot**), which has two great features like **Missed Connection** and **Baggage Status**.

### IBM India Pvt. Ltd. Bangalore

#### Cognitive Computing – Watson Chatbot

- ❖ Quickly learned and played a crucial role in developing several demos and POCs.
- ❖ Built an **Alert Notification Device** using IBM Watson IoT and sensor device in a Node-RED platform that can send an alert message to Twitter account in a coding event “**Inside Track Hackathon**” organized by IBM, Now I am trying to sync up with Android and IOS app and Mobile SMS system.
- ❖ Received **Manager’s Choice Award** in 2017 from the project manager for demonstrating the practice-dare to create the idea in a coding event **INSIDE TRACK-2017** held on 5<sup>th</sup> and 6<sup>th</sup> May 2017 at Bangalore.
- ❖ Participated in a coding event called **#CallforCode-2018** was held on 4<sup>th</sup> August 2018 for Natural disaster preparedness and relief. Worked on Idea **BEAT A Smart City** portal (A Solution for Disaster Prediction and Recovery for connecting people, Addictive Recommendations. It has Smart Data Discovery, Alert Notifications, Anywhere, Anytime, Never Stops!)
- ❖ Participated in an **IoT Hackathon** called **#Hack2Hire** held on 26<sup>th</sup> Jan 2019 to develop an application that can monitor the lab environment (BioPharma manufacturing lab) in terms of Temperature and Air quality, Organized by **T-Hub** Hyderabad in a collaboration with **Merck Life Science**.
- ❖ Submitted an Idea in an **SBI Hackathon** called **#Predict for Bank 2019** on 12<sup>th</sup> Feb 2019 and shortlisted for final level (Prototype Development). We as a Team (4 people) are working on the development phase and will deploy the working model by 19<sup>th</sup> March 2019. Idea Name – Digital Detector (A Machine Learning based application/model to predict the right corporate customer for the loan and Identify Fraud Customers.)

## Achievements:

- ☐ Completed certification, hands-on experience on “Machine Learning with Python” from cognitiveclass.ai
- ☐ Certification on Oracle Certified Associate, Java SE 8 Programmer from Oracle.
- ☐ Received a certificate of participation in an IoT Hackathon organized by T-Hub Hyderabad in a collaboration with Merck Life Science.
- ☐ Successfully completed Certification with Hands-On experience on Watson Analytics (A platform for Analytics based on Natural Language Understanding IBM Watson API service) and generated a Visualization report with telecom dummy data.
- ☐ Successfully completed Certification and Hands-On experience on IBM Cloud (A Platform as a Service PaaS as well as Infrastructure as a Service IaaS).
- ☐ Successfully completed Certification on Build Your Own Chatbot Using Watson Assistant (Watson conversation Service) and Built e-FlowerShop and eCare Chatbot and iFly (aadil.intelaedu.com/) at IBM Cloud.
- ☐ Successfully completed Certification on Data Analytics with Python (from cognitiveclass.ai) and had a Hands-On experience with Car Dataset.
- ☐ Successfully completed Certification on Python for Data Science (from cognitiveclass.ai) have complete foundation knowledge of Python Programming Language.
- ☐ Successfully completed Certification on Big Data Foundation (from Cognitiveclass.ai).
- ☐ Successfully completed Certification on IBM Blockchain Essential, IBM Bluemix (IBM Cloud) Essential, IBM Design Thinking, IBM Cloud Application Developer Certification Preparation V2 and IBM Agile Explorer
- ☐ Obtained 100 out of 100 in Mathematics in Class 10th. School Topper in class 10th.