

Aditya Jain

<https://adityajain.me>

adityajn105@gmail.com | +91 89891 73580 | adityajn105 (skype)

SKILLS

PROGRAMMING

Python / IPython Notebooks
Java / Android Programming
C / C++
HTML / JavaScript / CSS
Node.js / Express.js
SQL / MongoDB

DATA SCIENCE

Descriptive Statistics
Inferential Statistics
Statistical Modelling
Regression (Linear / SGD)
Classification Techniques
Clustering Techniques
Ensemble Techniques
Natural Language Processing
Neural Networks / Deep learning
Convolutional Neural Networks
Recurrent / LSTM Networks

SOFTWARES AND TOOLS

Pandas / Numpy
Matplotlib / Seaborn
Scikit-Learn
Tensorflow / Keras
Pytorch
NLTK
Tableau
MS Excel
Linux / Windows
Git and GitHub
Amazon Web Services

EDUCATION

B.E. (Computer Engineering)

Maharashtra Institute of Technology, Pune
Graduation : July, 2018 | Aggregate : **74.4%**

H.S.C. (12th)

Central Board of Secondary Education
Completion : May, 2014 | Aggregate : **89.2%**

EXPERIENCE

Associate Data Scientist | Cognizant

Sep 2018 - Current | Bengaluru, Karnataka, India

- Performed **Data Analysis and Predictive Modelling** for identifying Aetna medicare contracts' members at risk.
- Identify members for reaching out to improve Aetna medicare contract Star Ratings.

Intern | Heelium Sports Pvt. Ltd.

Dec 2016 - Dec 2017 | Pune, Maharashtra, India

- Worked as a **mean stack web developer** to assist in building company's website.
- Worked on various mean stack technologies like **node.js, mongodb, express.js** etc

Intern | Aviate Software

Aug 2016 - Sept 2016 | Pune, Maharashtra, India

- Worked with **Retrofit** for android to create a http client and to consume REST api.

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ACHIEVEMENTS

1st Runner Up - Smart India Hackathon (2017)

- We had developed an android app to perform authentication of a student appearing for a exam using **biometric from Aadhaar Database**.
- The app also uses an **API on remote server** that authenticates details of candidate which we had developed using PHP.

Finalist - Infosys Techzooka (2016)

- Presented Infosys hackathon project in final round of Infosys Techzooka-2016.
- We had developed an **android app** to show details of nearby grocery stores and offers based on **user location**, we have used **firebase** as a database.

PROJECTS

Health Outcome Survey (Mental Health) - Cognizant (2019)

- Used **data analytics and predictive modelling** on HOS Survey, demographics, claims data, prescription data etc to predict the members at the **risk of mental health decline**. And also performed analysis on best outreach method to target these members.

One Shot Face Recognition (2019)

- Implemented Face Recognition Siamese Network using Keras. Siamese Network is used for one shot learning which do not require extensive training samples for image recognition.

Flappy Bird Reinforcement Learning Agent (2019)

- Flappy Bird Game trained on a Double Dueling Deep Q Network with Prioritized Experience Replay implemented using Pytorch.

Host Based Intrusion Detection System - Final Year Project (2018)

- We had developed a HIDS as a **B.E. Project** which is used to prevent the host system from being compromised by intruders. Project relies heavily on the use of **security concepts, machine learning and operating system concepts**.

THESIS

Convolutional Neural Network for Autonomous Robot Navigation(2017)

- I have presented my junior year seminar report on Convolutional Neural network which can be used for robot navigation. I have firstly discussed various other models eg SVM, which are promising and later discussed about ConvNets and how **ConvNet prove to be best solution** for autonomous navigation problem. ConvNets excels at **image classification problem** and thus it excels in object identification.

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PERSONAL DETAILS

Name : Aditya Jain

Date of Birth : 10/05/1996

Languages : English, Hindi

LINKS

Github:// **adityajn105**

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