

# ADITYA MILIND PANSARE

Atlanta, GA

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## Education

### Georgia Institute of Technology

Aug. 2021 – May 2023 (Expected)

Master of Science, Computer Science (MSCS) | GPA - 4.0

Atlanta, GA

*Relevant Coursework: Algorithms, Machine Learning, Deep Learning, Natural Language Processing, Big Data Systems and Analytics, Information Security*

### NMIMS Mukesh Patel School of Tech Management & Engg. (MPSTME)

Jun. 2016 – May 2020

Bachelor of Technology, Computer Engineering | Awarded "Meritorious Student" 📄

Mumbai, India

*Relevant Coursework: Algorithms & Analysis, Databases & Management, Machine Learning, Data Warehousing & Mining, Operating Systems, Computer Architecture*

## Experience

### Foxxmula – The Smart Way 📄

Jun. 2019 – Aug. 2019

Machine Learning and Deep Learning Intern

Bengaluru, India

- Developed a couple of projects where we analyzed 2 large data sets of "Game trends" and "Crime rates" using Unsupervised and Supervised learning algorithms and Deep Learning techniques.
- Utilized Python with TensorFlow, and implemented neural networks, prediction, classification models & visualizations.

## Skills

**Programming Languages:** Python, C++, C, Java, HTML/CSS, JavaScript, SQL, MATLAB, R, Kotlin

**Platforms/Technologies/Frameworks:** Android Studio, SAS, VS Code, Git

**Interpersonal/Soft Skills:** Creative Writing, Public Speaking, Leadership, Agile Thinking

## Projects

### Gilbreth - Extracting Flowchart Features into a Structured Representation | [Code </>](#) | [Project Report](#) 📄

Image Processing, Deep Learning, Programming Lang; Python, OpenCV, YOLOv3, LARK Parser

Apr. 2020

- Devised a tool that accepts an image of a flowchart, extracts its features into a knowledgebase, and processes & represents them in a structured graphical representation.
- Facilitated object detection by using Deep Learning to identify shapes (99.82% mAP), lines and arrows (88.14% mAP).
- Used Google Cloud Vision's Optical Character Recognition (OCR) for identifying text present in these flowcharts (84.00% confidence).

### MusicManaged - A MEEN Stack Web Music Player | [Code </>](#) | [Blog](#) 📄

MEEN Stack [MongoDB, ExpressJS, EJS, NodeJS], JQuery, AJAX, RedHat OpenShift (Deployment)

Nov. 2019

- Designed & Engineered a website which allowed users to manage their music library online by uploading .mp3s and change/review the detected audio metadata to manage song listings.
- Created a streaming module which allowed users to stream music over different networks, devices & configurations.

### Pillbox - Pharmacy on our Phone | [Code </>](#)

Advanced Java, Firebase API, Android SDK, Git

May 2018

- Developed a proof-of-concept Pharmaceutical Marketplace (Online Store) for Android devices (OS 5 and higher).
- Utilised Firebase to implement a NoSQL database to store user information, order history & favourites for user data, admin information, store inventory & order history for admin data.

### E-OS - Emulated Operating Systems | [Code </>](#) | [Project Report](#) 📄

C++, Basic Data Structures & Algorithms

Apr. 2018

- Built the Process Management module in a 4-member project to implement a simulation of a Unix-based OS, demonstrating *Process Management, Process Schedule, File Management & Shell interfacing*.
- Demonstrated usage of 3 different process scheduling algorithms and facilitated the creation of other modules as well.

## Publications

### Detecting Parkinsonian Symptoms using Data Analysis 📄

Mar. 2019

2019 IEEE 5th International Conference for Convergence in Technology (I2CT)

Pune, India

Proposed a multi-modal approach to use 3 different physical markers to detect early onset of Parkinson's Disease while avoiding invasive assessment.

## Extracurricular Involvements & Accomplishments

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### **BuzzStudios @GT**

*Member*

**Sep. 2021 – Present**  
*Georgia Institute of Technology*

### **Meritorious Student**

*Awarded for Excellent Academic Performance*

**Jul. 2016 – Aug. 2020**  
*NMIMS MPSTME*

### **Rotaract Club of Thane North End**

*Editor & Jt. Secretary*

**Aug. 2019 – Jul. 2021**  
*Voluntary*

### **IET MPSTME On Campus**

*Executive & Editor*

**Sep. 2017 – Aug. 2019**  
*NMIMS MPSTME*

### **TEDxVileParle**

*Research & Speaker Curation Executive*

**Mar. 2018 – Oct. 2018**  
*Voluntary*

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