Aditya Milind Pansare

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Education

Georgia Institute of Technology　　　　　　　　　　　　　　　**Aug. 2021 – Present**
Master of Science, Computer Science (MSCS)　　　　　　　　　　　　*Atlanta, GA*

NMIMS Mukesh Patel School of Tech Management & Engg. (MPSTME)　**Jun. 2016 – May 2020**
Bachelor of Technology, Computer Engineering　　　　　　　　　　　*Mumbai, India*

Relevant Coursework

- Data Structures
- Algorithms and Analysis
- Machine Learning
- Data Mining
- Software Engineering
- Database Management
- Natural Language
- Computer Architecture

Experience

Foxmula – The Smart Way　📄　　　　　　　　　　　　**Jun. 2019 – Aug. 2019**
Machine Learning and Deep Learning Intern　　　　　　　　　　　*Bengaluru, India*

- Applied various Machine Learning and Deep Learning techniques and algorithms to develop small projects.
- Used Python and TensorFlow, and implemented Neural Networks, Predictive and Classification models.

Projects

Extracting Flowchart Features into a Structured Representation |
Image Processing, Deep Learning, Programming Languages　　　　　　　　**Apr. 2020**

- Developed a tool that accepts an image of a flowchart, extracts its features into a knowledgebase, and processes & represents them in a structured graphical representation.
- Applied object detection using deep learning to detect shapes, lines and arrows.
- Used Google Cloud Vision's Optical Character Recognition (OCR) to detect all the text present in these flowcharts.

MusicManaged (A MEEN Stack Web Music Player) | Read the blog 📑
MEEN Stack [MongoDB, ExpressJS, EJS, NodeJS], JQuery, AJAX, RedHat OpenShift (Deployment)　　**Nov. 2019**

- Developed 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.
- Implemented streaming which allowed users to stream music over different networks, devices & configurations.

Pillbox - Pharmacy on our Phone | *Advanced Java, Firebase API, Android SDK, Git*　　**May 2018**

- Designed and developed a proof-of-concept Pharmaceutical Marketplace (Online Store) for Android devices.
- 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.

Emulated Operating Systems (E-OS) | *C++, Basic Data Structures & Algorithms*　　**Apr. 2018**

- Implemented 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 process scheduling algorithms as well.

Technical Skills

Programming Languages: Python, C++, C, Java, HTML5/CSS3, JavaScript, SQL, MATLAB, R, Kotlin
Platforms/Technologies/Frameworks: Android Studio, SAS, VS Code, Git
Interpersonal/Soft Skills: Creative Writing, Public Speaking, Leadership
Languages: English (Fluent), Hindi (Fluent), Marathi (Native)

Publication

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.