

Aman Raj Patwa

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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD

B.TECH IN INFORMATION TECHNOLOGY

Aug 2018 - Present

Uttar Pradesh

CGPA: 7.07/10.0 | Till 6th sem

BRITISH ENGLISH SCHOOL

Bihar, India

Class XII : 72.8% | 2018

Class X : 10/10 | 2016

SKILLS

PROGRAMMING

Languages

• C/C++ • Python

• Java • JavaScript

Database

• MySQL • MongoDB

Frameworks

• Nodejs • ExpressJS

Familiar

• GIT • Swift • Arduino

LINKS

Github:// [patwaaman](#)

LinkedIn:// [patwaaman](#)

Leetcode:// [patwaaman007](#)

HackerEarth:// [patwaaman](#)

Codechef:// [patwaaman007](#)

GFG:// [patwaaman007](#)

COURSEWORK

Data Structures and Algorithms

Object Oriented Methodologies

Database Management System

Operating System

Computer Networks

Machine Learning

INTERESTS

• Competitive Programming

• Machine Learning

PROJECTS

NEWSPAPER ELEMENT SEGMENTATION | SOURCE CODE

Newspaper Segmentation using Fully Convolutional Network

- Newspaper Elements like **Articles, Images, Headings and Background** masked with different colours denoting different sections of newspaper.
- Images taken in **jpeg** format and images were converted from **RGB to DCT** form.
- Trained on **Russian Newspaper** (public dataset) and on manually created dataset using **GIMP**.
- Tech used : **Python, numpy, matplotlib, keras, scipy, scikit-learn**.

SNAP | SOURCE CODE

An Image Annotation Android Application

- Useful in **dataset annotation** for machine learning applications.
- Features are **Area Selection, Image Cropping, Image Flipping, Image Rotating, Image Tagging, Save to and Retrieve from Database**.
- Tech used : **Java, Android studio, SQLite**

GYM MANAGEMENT SYSTEM | SOURCE CODE

GYM Management Application

- Useful for **scheduling and maintaining different activities** in a gym.
- features are **Scheduling Training Exercise, Local Login System for Admin, Users and Trainers, Add, Delete, Track and Update information about users and trainers**.
- Tech used : **Java, JavaFX**

OPEN SOURCE CONTRIBUTION

NAVPRAYAS - A GROUP OF INNOVATIVE THOUGHTS |

BACKEND DEVELOPER

June 2020

- **Database handling, users authentication and payment process handling** using **NodeJS, ExpressJS and MongoDB database** for the website created solely for students engaging in different activities and exams under the organisation. .

KEY ACCOMPLISHMENT

- **3star Codechef | Highest Rating 1668**
- **Solved 350+ problems on HackerEarth/Leetcode/Codechef**
- **HackerEarth Highest Rating 1543**

HOBBIES

- **Listening to Music.**
- **Reading Technicals Blogs.**
- **Exploring Places Outside.**