Rajat Mittal

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EDUCATION

Indian Institute of Technology Jammu   Jammu
Master of Technology in Computer Technology — CGPA-9.5/10   *Sep. 2020 – Present*

JK Institute of Applied Physics & Technology, University of Allahabad   Allahabad
Bachelor of Technology in Computer Science & Engineering —74.47%   *Aug. 2016 – Sep 2020*

Bhartiya Sr Sec School   Sikar
Class XII —94.60%, PCM-100%   *2015*

Bhartiya Sr Sec School   Sikar
Class X —92.50%   *2013*

TECHNICAL SKILLS

Languages: C, C++ , Python
Database/Query Languages: SQL
Misc.: Git, GitHub, LaTeX
Platforms: Linux, Windows

EXPERIENCE

Research Assistant   Sep 2020 – Present
IIT JAMMU   *Full-Time, Jammu, IN*
- Working in Central Computing and Communication Infrastructure (C3I), IIT Jammu.
- Managing High-Performance Computing System at Agastya- IIT Jammu

PROJECTS

Mocking Bot | *Sklearn, NumPy, Pandas, Wave, Struct*   E-Yantra, IIT Bombay
- Developed a prediction tool of Notes and Instrument in a given Audio file in a team of 4 members.
- Used SVM classifier to detect the instrument being played in an audio file, along with all the notes and frequencies present in the audio file.
- Further, this was extended to make a robotic system that would mimic the audio, based on the results given by the classifier.
- eliminated in the pre-final round after clearing five competition stages.

Live Covid-19 Tracker | *Python3, Django Framework, Pythonanywhere cloud*   JKIAPT, AU
- A live COVID –19 world tracker of Confirmed Cases, Active cases, All Deaths, New Deaths, Total Recoveries, etc.
- Hosted on the Python cloud platform: - https://rajatenzyme.pythonanywhere.com/

Student Login Alert | *ThingSpeak, MATLAB*   Asst. Prof. Ankit Dubey, IIT Jammu
- predict hand-written digits via scanning from a MATLAB android app using camera, record them, and send them over to the ThingSpeak cloud platform.
- After sending the id to the cloud, it will map to the particular id of a student and send a detailed email to the host about the timestamp of joining by a student.

ACHIEVEMENTS

- 100% PCM Marks in Class XII Examinations- 2015. Also secured 1st Rank in whole Rajasthan in PCM.
- 15th Sikar District Merit in Board of Secondary Education, Rajasthan in class X.

POSITIONS OF RESPONSIBILITIES

Coding Club - CODICIAN | *JKIAPT, Allahabad*
- Core member of Coding Club – Codician at JK Institute, University of Allahabad.
- Hosted various coding contests on HackerEarth for junior students of the college.

Avirbhav'19 Captain | *JKIAPT, Allahabad*
- Captain of team 'Lannisters' at Annual Fest 'Avirbhav' of JK Institute.
- Managed several events of Fest in different fields like technical, sports, cultural etc.