



Sashank Machiraju

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Gender: Male Age: 22 years

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Academic Details

Course	Specialization	School		Score	Year
B.E.	Computer Science	BITS Pilani Dubai Campus		7.34/10	2022
Class XII	Math, Physics, Chemistry	Johnson Grammar School, Hyderabad	ISC	83%	2018
Class X	High School	Johnson Grammar School, Hyderabad	ICSE	87%	2016

Technical Skills

Python, Data Analytics, JavaScript, Crystal Reports, C++, ReactJS, Redux, Java, SEO, MS Office, QlikSense, PowerBI, PLC Management

Work / Internship Experience

Web Development Intern, Al Sagr National Insurance Company, Dubai – (January 2022-July 2022)

- Used React-redux frameworks to deploy web application used in the insurance sector.
- Developed crystal reports to efficiently report data about various insurance claims. Used Visual Studio to design the front and backend of the reports in C#.
- Wrote numerous SQL queries to pull data from the backend for use in the aforementioned projects

Data Analyst Intern, Verudix Software Solutions, Hyderabad – (June 2020- Sept 2020)

- Worked with a team of 3 to design and implement sentiment analysis algorithms using the Twitter API
- Used Python libraries and software to deploy the algorithm

On-campus / Off-campus Projects and Research Experience

Face Mask Detection using Keras, OpenCV and TensorFlow by implementing MobilenetV2 – (August 2021)

Created a model which detects face masks on photographs and videos. This can be implemented in live feeds too.

Published in the *3rd International Conference on Advances in Computing, Communication Control and Networking (ICAC3N)*, 2021 (Paper ID:916)

Implementation of Python and ML to predict flight delays – (September 2021-December 2021)

Using python libraries to design an algorithm based on linear and ridge regression which is able to detect flight delays due to various factors and study the trends.

CIPHERS: Using congruences to encrypt and decrypt them (March 2020)

Using concepts from Number Theory to crack simple ciphers

Extra-Curriculars

- Ex officio (2021-22) and General Secretary (2020-21) of the Sports Club (BITS Pilani Dubai Campus)
- Head- Logistics for the Event Management Committee of BPDC
- Best Sportsperson Male of the batch 2018-22
- Social Media, Marketing team member and Sports Coordinator in BITS Sports Festival 2018, 2019.
- Captain of Telangana State basketball team @ ICSE National level tournament in India in 2017.
Represented Telangana from 2015-2017 in the same annual tournament
- Captain of the University basketball team, University team player of the Volleyball team

Other

Languages known: English, Hindi, Telugu, Urdu

Member of Technical / Other Association: ACM, IEEE

Other Achievements:

Head Boy of the Student Council for the year 2017-18 in Johnson Grammar School,

Participated and organized various Model United Nations Conferences, organized various university events.