Aashutosh Trivedi

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ACADEMIC QUALIFICATIONS

2016-2020	Bachelor of Technology in Mechanical Engineering	IIT JAMMU	8/10
2015-2016	Class XII	Rajasthan Board of Secondary Education	90.8%
2013-2014	Class X	Central Board of Secondary Education	10/10

PROFESSIONAL EXPERIENCE

Data Science Intern, Jugaad Analytics (Feb-2019 to Jan 2020)	- Successfully performed data cleaning to reduce 30% redundancy in the dataset and created a structured analysis to increase Beer sales. - Single handidly designed and build scalable generic codes for handling the dataset. - Created end to end pipeline for data forecasting of Heineken beer using ARIMA and SARIMA models increasing the prediction accuracy to 85%.

ACADEMIC DISTINCTIONS AND ACHIEVEMENTS

Economic Times Award 2019-20	- Secured spot in top 100 out of 50,000 participants in India's brightest Engineering **Leaders award** at Economic Times Campus Stars 2019-20. 4 phased rigorous evluation based on aptitude, cognitive behaviour, personality, group leadership and dynamics, domain skills and knowledge as the criteria.
Other Achievements	Winner in **Mathematics for Engineers** competition organised by SMVDU, Jammu with over 100 participants.
Certifications	- Machine Learning and Deep Learning Specialization certification (Coursera) - Applied Data Science with Python (Michigan University, Coursera) - https://drive.google.com/drive/folders/1slQzP7R1nqqCkZs55CBtIuA9PXhSMggw?usp=sharing
Skills	**Relevant courses(IIT-Jmu)** – DSA**,** Computer Vision, Object oriented programming in C++ **Technical Skills** – Data analytics and visualization, Machine Learning, Cloud computing(AWS), Docker and Kubernetes, Web Architecture, Python, C/C++, SQL **Soft Skills** – Leadership, Team Work, Public Speaking, Problem Solving, Adaptability

IMPORTANT PROJECTS

Image Classification API	- Built a deep learning model using **Keras**, and served it as an API using **Flask** and **Docker**. - Deployed it using **Kubernetes** on the Google cloud platform increasing the response time multifold.
Movie Sentiment Analysis	- Build, trained, and deployed a movie sentiment analysis web app using **XGboost** algorithm on **AWS.** - Created a complete pipeline using Api gateway, Lambda and Amazon Sagemaker.
Covid Face Mask Detector	- Created and deployed a deep learning face mask detector using pytorch and deployed it using flask. - Real time detection achieving an accuracy of 98% with augmented dataset created suing custom defined algorithm.
16 bit computer	- Reverse engineered and recreated computer hardware including CPU, RAM in a virtual simulator from scratch using NAND gates. - Working on creating operating system and compiler to create a full working PC model.
Miscellaneous Projects	**Real-time weather monitoring server using ESP32:** Hosted a web server on ESP32 board **Fashion Clothing classification:** 99% accuracy using neural networks designed from scratch. **Music generation API using LSTM network.** **Music Database:** Song database schema using SQL

POSITIONS OF RESPONSIBILITY

General Secretary	- Drafted the constitution of IIT Jmu leading a cross-functional team of 30 members. - Organized and managed **INFINITO**-IIT Jammu's first Cultural Fest, with a team of 40+ members and a total budget of Rs.6 lacs, which witnessed participation of 300+ students.
Mkt and Ops Head(BAJA)	- Planned, tracked and executed all the operational activities with the team of 50+ members. - Raised 30% Sponsorship for the Team & Won people's choice awards at ATVC Kota 2018-19 National Level Off-road Vehicle Championship

EXTRACURRICULAR ACHIEVEMENTS

Photography	Active participator in taking photography technical workshops as a club member.
Idea Presentations	Presented report on Solar tree at IIT Bombay, won 5th prize in **communication skill** with more than 30 elite participating institutes.