Aashutosh Trivedi

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ACADEMIC QUALIFICATIONS

2016-20	B Tech. Mechanical Engineering	IIT JAMMU	8/10
2015-16	Class XII	RBSE	90.8%
2013-14	Class X	CBSE	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 structures the analysis for the business initiative. ▪ Single handedly designed and build scalable generic codes for data handling. ▪ Created end to end pipeline for data forecasting of Heineken beer using ARIMA and SARIMA models increasing the prediction accuracy to 85%.
Big Data Intern IIT Jammu	▪ Deployed Hadoop cluster over Ubuntu machines at IIT premises for creating a big data computer lab.

ACADEMIC DISTINCTIONS AND CO-CURRICULAR ACHIEVEMENTS

Economic Times Award	▪ ET Campus Stars 2019-20. ▪ India's brightest Engineering **Leaders award**. Top 100 out of 50,000 competitors
Scholastic Achievements	▪ Winner **in Mathematics for Engineers** competition, Jammu with over 100 participants. ▪ Bagged Scholarship worth 60k for Machine Learning Nanodegree from Udacity by securing rank among top 300 out of 40,000 applications.
Certifications	▪ **ML and Deep Learning Specialization certification** (Coursera) ▪ **Python for Everybody** (Coursera) ▪ **Applied Data Science with Python** (Michigan University, Coursera)
Skills	▪ **Relevant courses(IIT-Jmu)** – **DSA,** Computer Vision, Object oriented programming in C++ ▪ **Programming Skills** – Python, C/C++, HTML, JavaScript, SQL ▪ **Software Skills** – Flask, Docker, AWS cloud, Tensorflow, Pytorch, Hadoop, Data analysis libraries including Skikit-learn, Pandas, Matplotlib, Seaborn.

SELECTED 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.
Music Database	▪ Created complete schema for song management and successfully developed database using SQL.
16 bit computer	▪ Developed a conceptual understanding of computer from first principles and implemented it starting from NAND gates to 16 bit CPU interacting with RAM
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.**

POSITIONS OF RESPONSIBILITY

General Secretary	▪ Organized, managed and coordinated 10+ sponsored events in the annual cultural fest. ▪ Drafted the constitution of IIT Jmu leading a cross-functional team of 30 members.
Mkt and Ops Head(BAJA)	▪ Planned, tracked and executed all the operational activities with the team. (Budget to Buying) ▪ Raised 30% Sponsorship for the Team & Won people's choice awards at ATVC Kota 2018-19

EXTRACURRICULAR ACHIEVEMENTS

Photography	▪ Self-trained photographer from Shaw Academy taking demonstrations of the technical working of DSLR and certain imaging techniques in club activities.
Idea Presentations	▪ Presented report on Solar tree at IIT Bombay, won 5th prize in **communication skill** with more than 30 elite participating institutes.

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