Aashutosh Trivedi

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EDUCATION

2016-20	Bachelor of Technology in Mechanical Engineering	**IIT Jammu**	8/10
2015-16	Class XII	Rajasthan Board of Secondary Education	90.8%
2013-14	Class X	Central Board of Secondary Education	10/10

PROFESSIONAL EXPERIENCE

Associate-projects, Cognizant
(June 21 - present)

- Worked with fortune 500 client in insurance domain, collecting user stories, understanding workflow and leading a team of 4 programmer analysts to create api module on transaction and policy edit feature of the application with more than million+ lines code base using Java and Spring boot.
- Tracked, updated and resolved all the bugs in the module.
- Performed rigorous Database testing using SQL queries for checking the performance of the database.

Program Manager Op Ex, Rivigo
(Apr 21 - June 21)

- Developed and maintained workmen attendance tracking dashboard, over the cluster of 120 sub units aiing to reduce cost.
- Worked collaboratively with team to analyse and reduced PSWT by 60% at Rivigo FTL aiming to improve utilization multi-fold.
- Proposed Labour productivity improvement plan with 46% productivity improvement and cost savings worth 18 lakhs.

Data Science Intern, Jugaad Analytics
(Feb-19 - Jan 20)

- Successfully performed **data cleaning** to reduce 30% redundancy in the dataset and created a structured analysis to increase beer sales.
- Single handily 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%.

ACADEMIC DISTINCTIONS AND ACHIEVEMENTS

Economic Times Award

- Economic Times Best Engineering Student Leaders Award. *(ETCS 2019-20)*
- Accomplished rank among top 100 / 50,000 participants qualified through four phased rigorous evaluation based on aptitude, personality, domain skills, group leadership and dynamics as the criteria

Mathematics Award

- Winner **in Mathematics for Engineers** competition organised by SMVDU, Jammu with over 100 participants.

Certifications

- Certified in Python, SQL, Machine Learning and Deep Learning Specialization (Coursera)
- https://drive.google.com/drive/folders/1slQzP7R1nqqCkZs55CBtIuA9PXhSMggw?usp=sharing

Skills

- **Relevant courses(IIT-Jmu)** – Supply Chain Management, DSA, OOPs in C++, Law and management
- **Technical Skills – Advanced Excel, SQL, Tableau**, Machine Learning, statistics, Cloud computing(AWS), Python, C/C++
- **Soft Skills** – Leadership, Team Work, Public Speaking, Problem Solving, Adaptability

POSITIONS OF RESPONSIBILITY

General Secretary, IIT Jammu (2017-18)

- Drafted the constitution of IIT Jammu 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.8 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

IMPORTANT PROJECTS

Case Study, Supply Chain Analytics

- Critically Analysed business strategy for Video vault and Blockbuster, case study by HBS. Compared both the business models and predicted the feasibility of revenue sharing model by maximizing profits, using insights from product and sales data.

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.

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 using custom defined algorithm.

Miscellaneous Projects

- **Real-time weather monitoring server using ESP32:** Hosted a web server on ESP32 board
- **16 bit computer:** Developed conceptual understanding of computer from first principles, virtually implemented it.
- **Fashion Clothing classification:** 99% accuracy using neural networks designed from scratch.
- **Music database:** Song database schema using SQL.