

EDUCATION

Post-Graduate Program	Plaksha Tech Leaders Fellowship	-	2020
BTech. in Mechanical with honors	IIT Gandhinagar	7.94/10.0	2017

EXPERIENCE

ML Engineer Intern	Naukri.com, Noida, India	Feb 2020 – Apr 2020
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Exam Proctoring Software – deployed deep learning model for candidates taking a test using computer vision.

- Candidate authentication and subsequent face detection, head pose and gaze estimation in unconstrained setting.
- **Achieved an accuracy of 92%** in predicting whether the candidate was looking at the screen or away.

Senior Manager – Program	TATA Motors, Pune	Jun 2018 – Jul 2019
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- **Proposed a new product** for the market in 28 ton which was taken up for production as part of New Product Seminar.
- **Reduced project timeline by one week** for long deck length vehicles by solving concerns between research & purchase.

GET – Sales & Marketing	TATA Motors, Maharashtra	Aug 2017 – Jun 2018
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- **Increased cumulative trucks market share by 10%** across 3 cities in 1 year by implementing comprehensive strategy, including a new pricing model based on sales data analytics, addition of dealer touch points using customer location.
- **Increased profitability of key account customer by 5%** by creating a customized solution based on Geospatial analysis and real time reporting of vehicle and driver performance through on board diagnostic devices.

Nozzle Exhaust Simulation - Intern	VSSC – ISRO	May 2016 – Jul 2016
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- **Deployed an open- source software package** called OpenFOAM to simulate the exhaust of a rocket nozzle using the Direct Simulation Monte Carlo Algorithm at the parallel computing facility.

PROJECTS

Design Validation tool for social marketers using AI	Challenge Lab – Startup Venture
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- **Recognized as the top 3 Startup Ventures** for implementing tech to find font inconsistency, conflicting points of entry, and clutter in visual design using deep learning and design principles.

Image based Virtual Try-on for apparels	Data X Lab
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- Employed Selenium & Regex to scrape apparel sites like Zalando. Used models like **OpenPose and LIP** to estimate 18 body keypoint and human parsing images respectively. Experimented with **Autoencoder, VitonGan and StyleGan**.

Face detection and tracking	Independent
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- Utilized Single Shot Detector with Resnet backbone along with CSRT tracker for optical flow to track the face of a person.

Voter mentality in Indian elections	Political Science GCLS
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- Utilized Random forest to discern voter preference among leadership, performance and caste

SKILLS

- **Programming Languages:** Python, Matlab
- **Product Management:** Customer Interviews, UI, User Persona, Figma, Sprint
- **Machine Learning:** Tensor flow, Computer Vision, Scikit Learn , Pandas, Matplotlib
- **Deployment:** Heroku, Flask, AWS
- **Web Scraping** Beautiful Soup, Selenium

Extra Curricular

- **Awarded IITGN Accenture fellowship** along with 5 others from entire college for supply chain optimization. Analyzed drug consumption data for infirmaries across Gujarat for GMSCL and recommended changes in essential drug list.
- **Awarded IITGN Explorers fellowship** to travel across India for 6 weeks to research on culture and diversity of India
- **Elected by the student body** to represent the batch as a Senator to raise concerns with Institute Senate.
- **Nominated to be the core committee** member of IITGN tech fest, Amalthea.
- **Received merit cum means scholarship** at IITGN with full tuition waiver for all four years.
- Selected to represent the IITGN volleyball team at InterIIT Madras as a wing spiker.