

ABHINAV SONONE

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EDUCATION

Bachelor of Sciences, Data Science , IIT Madras	9.2*(CGPA)	2021 - present
Bachelor of Engineering, Mechanical, Sinhgad College of Engineering, Pune	75%	2013 - 2017
Board of Higher Secondary Education, Maharashtra	85%	2011 - 2013
Board of Secondary Education, Maharashtra	98%	2010 - 2011

EXPERIENCE

IIT-MADRAS : STATISTICS MENTOR - INTERN*

09/2022 - 12/2022 & 09/2023 - present

- Mentored over **30+ students & working professionals**, delivering **70+ sessions** to teach advanced statistics
- **Initiative**: Established and led **'The Bayesian Society'**: an informal discussion forum to discuss current AI trends & facilitating insightful discussions among the peers.
- **Expertise**: Demonstrated proficiency in **Probability distributions, Hypothesis testing, Estimation of Parameter, Simple Linear Regression** etc

WORLDQUANT : RESEARCH CONSULTANT*

11/2023 - present

- Spearheaded the creation of **30+ market-neutral alpha** algorithms utilizing Brain Expression language
- Developed a **backtesting framework** for algorithmic trading strategies using **Python, NumPy, and pandas**.
- Achieved 28th position out of 1000 participants (**top 3%**) at IIT-Madras Brain Alathon

MAKE-A-DIFFERENCE : CAMPAIGNS VOLUNTEER

09/2021 - 06/2022

- Lead a team in **designing collaterals** for promotional campaigns effectively conveying MAD's message
- Assisted in a **fundraising campaign**, generating over **1L+ in funds in span of 2 weeks**
- Facilitated the coordination of **Dream Camp**, taking charge of **event scheduling**, ensuring active participation from volunteers, and **devising engaging activities** for the program.

XICON INTERNATIONAL LTD : DESIGN AND PROJECTS

02/2017 - 11/2017

- Supported the team in data-driven efforts to improve tank heating efficiency, achieving a **5% enhancement**
- Assisted in **costing and estimation** of diverse industrial projects delivering accurate and competitive bids

PROJECTS

STRATEGIC RECRUITMENT INTELLIGENCE: REDUCING TIME-TO-HIRE (ANALYTICS)*

10/2023 - present

- Implementing real-time recruitment dashboard using **Looker Studio** for a HR Franchise in Pune.
- Developing a **standard ranking framework** for candidates, **channel performance** and **talent pool analytics**
- Anticipating a **20% decrease** in the time required to hire and successful closure of specific positions.

GREENHOUSE GAS EMISSION PREDICTION SYSTEM (DATA SCIENCE)

05/2023 - 06/2023

- **Won Inclusive Data Hackathon 2023**, besting a field of **250+ participants across 12 countries**
- Formulated **independent research methodology**, incorporating **web scraping** from IPCC, USDA and EPA websites to **construct emissions dataset**
- Employed **scikit-learn** algorithms for **data cleaning, processing, and model development**, achieving 98%
- Utilized **Python** in the backend for developing **ML pipelines** & model deployment on **Azure cloud**

ASSIGNMENT V/S LEARNING: A DESIGN THINKING CASE (PRODUCT)

09/2022 - 09/2022

- Utilized EAST(Empathize, Analyze, Solve, Test), design thinking paradigm to address learning challenges
- Conducted **customer journey mapping**- **identified the pain points** through **multi-why** approach and utilized **TRIZ methodology** to effectively address the root cause of the problem

WORKSHOPS AND CERTIFICATIONS

- Improving **statistical inferences** : Eindhoven Technology University 10/2023
- Fundamental of **Quantitative Modelling**- Wharton Online 09/2023
- Visual Analytics with **Tableau** - UC Davis 09/2023
- Microsoft Certified **Azure AI-900** 08/2023
- **Numerical Optimization**- Theory and Algorithm : Prof Harish Guruprasad, IIT Madras 08/2022
- An Introduction to **Computational Social Science** : Prof P. Kumaraguru, IIIT Hyderabad 07/2022

ACHIEVEMENTS

- Won the **AWS Gameday** at Inclusive Data Hackathon 2023, solving guided problems in limited time
- **2nd Prize**: Paper Presentation- **Good Building Physics(HVAC) for sustainable environment**, ISHRAE- Pune
- Received **TFWS scholarship**- awarded to meritorious students for UG studies