




Dhrubajyoti Ray

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WORK EXPERIENCE AND INTERNSHIPS

Micron Technology

July 2022 - July 2024

Data Scientist

Hyderabad, Telangana

- Forecasted wafer characteristics following their traversal through the process chamber using **machine learning and regression analysis**.
- Formulated **metrology models** that resulted in a **70% decrease** in manual monitoring of wafer dimensions
- Submitted an internal journal article on '**Preventive and Predictive maintenance on Metrology models**'
- Worked on **analyzing the root-causes for wafer-yield loss** and **reducing the variability** which optimized the **bad wafer identification process** and the **cycle-time of the process** using **statistical analysis** and **deep learning techniques**

Resso-ByteDance Ltd.

April 2021-August 2021

Intern - Product & Operations

Mumbai, Maharashtra

- Facilitated the **onboarding of 150+ highly engaged users** to the core community through **1:1 interactions**
- Spearheaded **user research initiatives** to obtain insights for product and competitor satisfaction analysis.
- Assisted in **core product research analysis** to enhance user efficiency and increase penetration rate.
- Monitored product anomalies and gathered **user feedback** to assess scope and initiate troubleshooting measures.
- Provided support to the India CRM operations team by analyzing feedback received from core users, Google Play, and In-app channels.

SKILLS

•Python • MATLAB • Google Cloud Platform • C/C++ • JIRA • SQL • \LaTeX • Tableau • Microsoft Office

EDUCATION

Tepper School of Business, Carnegie Mellon University

August 2024- May 2025

Masters in Business Analytics

Indian Institute of Technology, Kharagpur

July 2017-June 2022

B.Tech + M.Tech. Chemical Engineering

CGPA: 8.16/10.0

Pace Junior Science College (Higher Secondary School Education)

June 2014- June 2016

Maharashtra State Board

Percentage: 90.15%

I.E.S Chandrakant Patkar Vidyalaya (Secondary School Education)

May 2014

Maharashtra State Board

Percentage: 93.60%

POSITIONS OF RESPONSIBILITY

Entrepreneurship Cell, IIT Kharagpur

December 2017-April 2019

Associate Manager - Start-up and Alumni Relations

Kharagpur, West Bengal

- Organized the **Global Entrepreneurship Summit 2019** at IIT Kharagpur, attracting over **1800 participants**
- Established and managed the **Kharagpur Angel Network** in Gurgaon and Bengaluru, fostering connections with startups from IIT Kharagpur.
- Organized the **Entrepreneurship Awareness Drive Mumbai 2018**, promoting an entrepreneurial ecosystem.
- Coordinated a team of 10 individuals and managed a **participant turnout of 700+** at EAD 2k18.
- Secured **sponsorships totaling Rs 80k** for EAD Mumbai, resulting in **coverage by three leading newspapers** in the city.

Patel Hall of Residence

June 2019-June 2022

Vice Captain - Advertisement Design Team

Kharagpur, West Bengal

- Created impactful Video Ads, Radio Ads, Innovative Posters, and comprehensive marketing campaigns for an NGO to raise awareness about **deforestation, global warming**, and promote **afforestation initiatives**.
- Awarded a **gold medal** for developing an exceptional solution addressing the issue of deforestation.