

Contact

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Top Skills

Startups
Grant Writing
Fundraising

Languages

French (Elementary)
Hindi (Native or Bilingual)
Punjabi (Native or Bilingual)
Arabic (Elementary)
English (Native or Bilingual)

Certifications

Performed by SLB - Bronze Award 2023
SharePoint Advanced: Enhancing Functionality with JavaScript
Citizen Data Scientist Program - Dataiku Designer Training
International Leadership and Organizational Behavior
Options Trading Strategies in Python

Honors-Awards

Bronze Medal, Performed by Schlumberger (PbS) Award
Bronze Award, Performed by Schlumberger (PbS)

Publications

Condition-Based Maintenance of Oilfield Cement Pumper: A Data-Driven Approach

Mahtab Soin

Building Master Ed
Montreal, Quebec, Canada

Summary

I'm a very good generalist using AI to get things done.

Experience

Master Ed
Chief Everything Officer
May 2025 - Present (4 months)

Reimagining assessments in Higher Ed for an AI era

The pain point that I'm trying to address for Higher Ed is the ineffectiveness of traditional assessments such as essays, papers, and quizzes in a ChatGPT-world. For educators, the platform provides a better way to assess students' critical thinking and understanding via AI-resistant templates. The platform does >95% of the heavy lifting for educators (creating assessments, giving personalized feedback etc.) while also providing useful insights into how students are interacting with learning materials, making it easier to identify who is actively engaging to maximize the classroom experience.

For students, Master Ed makes assessments more engaging and authentic. Instead of just writing essays, students can explain their reasoning, reflect on case studies, and demonstrate true understanding through oral and multimodal responses. The platform also gives students immediate, actionable feedback. Ultimately, the goal is to not police AI usage, but to encourage it while ensuring that learning is real and meaningful.

Space Copy
Business Development Consultant
December 2024 - Present (9 months)
Canada

Space Copy is an in-situ logistics and additive manufacturing company.

I am involved in:
Exploring opportunities and partnerships in Space and Defense

Fundraising via grants & venture capital investments

Facilitating research & development collaborations with various public, private and academic partners

Global Markets

Equity & Options Trader

March 2018 - Present (7 years 6 months)

- Actively managing my investing and trading accounts, where I target 3% returns per month (on average)
- Proficient in momentum-based, mean-reverting, and statistical arbitrage strategies for stocks and derivatives
- Skilled in quantitative modelling to strategize, model and back-test trades

Personal Projects

Founding Member

April 2024 - November 2024 (8 months)

Canada

Building: www.master-ed.com

Using AI to help humans maximize learning outcomes

Actively developing an innovative AI tool aimed at enhancing educational outcomes for students & teachers:

- o Empowering students to learn more effectively by offering advanced learning aids
- o Boosting productivity by assisting with homework, assignments and providing better feedback
- o Assisting educators in monitoring learning outcomes to provide more personalized attention
- o Establishing robust AI guardrails to ensure the integrity and effectiveness of educational processes

SLB

2 years 11 months

Senior Program Manager

January 2023 - April 2024 (1 year 4 months)

Toronto, Ontario, Canada

Developed IoT-driven products and processes focused on real-time prognostic health monitoring

- o Prioritized, implemented and led large-scale cross-functional initiatives

- o Built data pipelines and predictive models to identify potential failures before they occurred
 - # Performed statistical analysis and deployed various machine learning (ML) models
 - # Automated data pipeline for predictive maintenance and diagnostic analysis
 - o Developed a suite of products that integrated with SLB's asset mgmt. and maintenance platforms
 - o Owned program reporting: deeply engaged with stakeholders to iterate and improve outcomes
 - o Analyzed feedback to propose and drive continuous improvement projects
 - o Contributed to design and engineering improvements aimed at enhancing reliability & service quality
 - o Led collaboration and integration efforts with external teams from IBM, Samsara, Element
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- o Achieved \$4.5 million in annual cost savings through data-driven initiatives and optimizations
 - o Led worldwide operations, spanning 4 Business Lines and 30 Geo-units.
 - o Hired and mentored a high-performance team of seven engineers and analysts from the ground up.
 - o Won "Performed by SLB" award for innovation and business impact; co-authored an SPE paper
 - o Operated in an agile environment ensuring rapid deployment and continuous improvement
 - o Ensured continuous business value by engaging customers throughout their lifecycle: advocacy, development, adoption, and renewal

Delivered end-to-end Business Intelligence projects, integrating complex datasets from cross-functional teams across operations, maintenance, supply chain, HSE, finance and personnel domains

- o Championed customer success by identifying and tackling pain points through scalable tools
- o Delivered 30+ bespoke BI projects tailored to specific operational needs, enhancing data-driven decision-making capabilities

Team Lead

June 2021 - December 2022 (1 year 7 months)

Pune, Maharashtra, India

- Leading the Reliability Support Centre for Schlumberger's Well Construction Division - supporting 4 business lines across 30 geo units worldwide

- Aim to improve the reliability of our field assets and reduce cost of service delivery (CoSD).
- Analyze data from key business systems (operations, maintenance, finance, HSE) to deliver key insights
- Built a KPO Dashboard monitored by leaders from HQ and geo units - tracking 20+ key performance metrics across 'HSE/ SQ', 'Maintenance Efficiency', 'CoSD', 'People' and 'Digital' objectives
- Analyze acquisition data from cementing pumps and define logic for anomaly-detection, which trigger automated health alerts
- Building PHM models (regression, PCA) to detect early stages of equipment failure
- Tools I use: Python, SQL, Excel, PowerBI, Dash

Schlumberger

7 years 10 months

Asset Manager, Operations Planning and Resource Management

June 2018 - June 2020 (2 years 1 month)

Udhailiyah, Saudi Arabia

- Managed equipment requirements for 15-20 packages engaged in simultaneous operations
- Served as the key node between service delivery, maintenance and reliability teams within Schlumberger
- Developed "Asset Portal", an app for the field population to manage asset compliance with HSE requirements
- Built tools for asset tracking and maintenance, which improved utilization and lowered turnaround time
 - o Database included no-code add-ons for data visualization and task automation
 - o Recognized for achieving 0 hours of non-productive time (NPT) in 2019 due to non-availability of equipment

Engineer in Charge

September 2012 - May 2018 (5 years 9 months)

Udhailiyah, Saudi Arabia

Responsibilities broadly included Job Design & Technical Sales, Strategy and Planning, Field Operations & Logistics, Service Quality ownership & Health, Safety, Environment (HSE) Control, Data Analysis and Reporting.

- Key operations and technical role in one of the world's busiest locations for SLB Coiled Tubing

- Executed 120+ complex jobs, secured over US\$ 50 million revenue with an impeccable service quality record
- Pioneered "live descaling" operations worldwide - a safe, efficient approach reducing time & cost by 60%
 - o Secured over US\$ 15 million revenue till date; received two awards for innovation and business impact
 - o Designed a robust new fluid system "SuperFOAM", for cleaning sub-hydrostatic, high temperature wells
 - o Introduced M-I Swaco's PFMS to rig-less operations for sophisticated pressure control & fluid recycling
- Experienced in cross-segment operations with wireline, fracturing, cementing, drilling, completions & testing
- Recognized by client on multiple occasions for excellence in service delivery

Account Manager

March 2015 - May 2015 (3 months)

Doha, Qatar

- Led sales, technical and operations efforts for 8 offshore jobs with two producers
- Achieved highest-ever monthly revenue for Qatar operations; appreciated by Geomarket management
- Resolved several ongoing service quality issues; achieved zero NPT despite downturn-related constraints
- Secured contract extension from an existing client; bid successfully for two new contracts with other customers

Fitterfox

Co-Founder

September 2015 - February 2016 (6 months)

Product Development, Marketing & Growth, Content

Avalon Consulting

Summer Analyst

May 2011 - July 2011 (3 months)

Devised a market-entry strategy for a major UK-based conglomerate based on research in three target geographies

University of Zurich

Research Intern

May 2010 - July 2010 (3 months)

Jointly hosted by The A.I. Lab and The Robot Studio, evaluated the feasibility of designing and manufacturing prototypes of the humanoid project ECCE-Robot using low-cost 3D printing techniques.

Education

University of Toronto - Rotman School of Management

Executive MBA, Leadership, Strategy, Entrepreneurship · (2023 - 2024)

Indian Institute of Technology, Kharagpur

Bachelor of Technology - BTech · (2008 - 2012)