

# KUDAKWASHE MAVIS CHAKANYUKA

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## EDUCATION

Ashoka University	Sept 2022 - Present
Bachelor of Science : Computer Science	Haryana, India
Minor : Entrepreneurship	
St Thomas More Catholic Secondary School	Jan 2015 - May 2019
Ontario Secondary School Diploma (OSSD)	Hamilton, Canada

## EXPERIENCE

Inspirit AI	May 2024 - Present
SEO Engineering & Data Insights Intern	Remote, USA
<ul style="list-style-type: none"><li>Optimizing on-page SEO by refining website structure, metadata, and content to improve search engine rankings and drive organic visibility.</li><li>Using tools such as Google Search Console and SEMrush to monitor SEO performance, analyze keyword trends, and implement data-driven optimization strategies to improve website traffic, search visibility, and user engagement.</li></ul>	
Project Apnapan	June 2025 - Oct 2025
Data Infrastructure & Automation Intern	Remote, India
<ul style="list-style-type: none"><li>Designing a data engineering workflow using Python and SQL to streamline data collection, preprocessing, and storage for education-sector analytics and reporting.</li><li>Drafting a scalable backend architecture proposal for the organization’s website, integrating automation pipelines to support efficient data access, monitoring, and real-time insights for internal teams.</li></ul>	
Ignite XL   AI-Powered VC Deal Sourcing Externship Lab   Extern	Oct 2023 - Dec 2023
Research Extern	Remote, USA
<ul style="list-style-type: none"><li>Analyzed high-growth tech startups using Crunchbase and other platforms to assess investment opportunities, focusing on key growth indicators and market potential.</li><li>Applied data-driven techniques such as market sizing and revenue projection to support strategic decision-making and gained hands-on experience in AI-powered VC deal sourcing and thesis development.</li></ul>	
Credera   DE&I Consulting & Data Analytics Externship   Extern	July 2023 - Sept 2023
Research Extern	Remote, USA
<ul style="list-style-type: none"><li>Conducted in-depth research on cultural competency by analyzing data-driven reports, whitepapers, and online resources, translating insights into actionable strategies aligned with DEI goals.</li><li>Developed and presented data-backed recommendations using advanced data visualization tools, contributing to the creation of scalable, tech-enabled DEI solutions, including Digital Cultural Competency and Global Best Practices Guides.</li></ul>	

## POSITIONS HELD

Ashoka University	Aug 2024 - Present
Resident Assistant	Haryana, IN
<ul style="list-style-type: none"><li>Acted as a first point of contact and support for 75+ students, helping them navigate academic and personal challenges while creating opportunities for connection through engaging, student-centered events.</li><li>Bridged the gap between students and the Office of Residence Life by facilitating clear communication, upholding university policies, and prioritizing student well-being to ensure a positive and inclusive residential experience.</li></ul>	

Lodha Genius Programme  
Mathematics Teaching Assistant & Mathematics Apprentice

May 2025 - June 2025  
Haryana, IN

- Supported instruction in Introduction to Cryptography, Euclidean Geometry, and Probability & Statistics by assisting with lecture preparation, clarifying concepts, and guiding student problem-solving through one-on-one support and discussion forums.
- Explored formal verification with Dafny and co-authored “Building Trustworthy Software: A Dafny-Driven Approach” demonstrating mathematical logic for software correctness. ([View Paper](#))

Ashoka University  
Student Systems Administrator Intern

Dec 2024 - Jan 2025  
Haryana, IN

- Implemented an Active Directory-based authentication system and configured network-based provisioning for Debian/Ubuntu across 60 lab systems in coordination with the IT Department and Head of Department.
- Set up NFS/CIFS-mounted home directories, virtualized Windows environments, and developed a secure, single-window lockdown examination application with LaTeX support, compilation tools, and IPtables-based firewall protocols.

Ashoka University  
Teaching Assistant for Environmental Studies

June 2024 - Sept 2024  
Haryana, IN

- Collaborated with Professor Mitul Baruah to design and deliver lectures, integrating data-driven environmental models and tech solutions, using platforms like Google Classroom and ArcGIS to engage a cohort of 100 students.
- Developed course materials and utilized digital platforms, including ArcGIS and GLE (Global Learning Environment), to enhance learning, combining environmental science with technology to promote interdisciplinary problem-solving skills.

TECHNICAL PROFICIENCY

Programming & Languages :  
Java | Python | C | C++ | HTML | Visual Basic | SML (Standard ML) | Dafny | Tamarin Prover | Django

Computer Architecture & Systems :  
MIPS Assembly Language | Cisco Packet Tracer | Windows Subsystem for Linux (WSL) setup & configuration

Data Analysis & Visualization :  
SQL | Tableau | Excel | Power BI | KNIME | LaTeX | SEMrush | Google Search Console

AWARDS & HONORS

- Entrepreneurship Fellowship, Ashoka University – 2025 : Researched on “Showmax in Africa : Differentiation Through Content, Pricing, and Innovation” with focus on emerging market strategies.
- Participant, IIT Delhi CS Data Privacy Summer School – 2025 : Selected for a highly competitive international program on advanced and emerging topics in data privacy, security, and trustworthy digital technologies.
- Best Table Topics Speaker by North Spark Toastmasters International - 2024
- Recipient of the Hamilton Black History Committee - John. C. Holland Award (YWCA Girls Rock Category) based on outstanding academic achievement and community involvement - 2018