

Rishabh Bhattarai

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EDUCATION

University of Michigan | Ann Arbor, MI

2023 - 2027

B.Sc. Computer Engineering

Relevant Coursework: Data Structures and Algorithms, Computational Matrix Algebra, Circuits and Systems

Organizations: Michigan Aeronautical Science Association (MASA)

SKILLS & CERTIFICATIONS

Languages: Python, C++, R/R-Studio

Tools: Microsoft 365 (Office Suite, SharePoint, Power Platform), RStudio, Git, SPICE

Skills: Data analysis, information technology, cybersecurity, software/hardware trouble-shooting, 3D design: Blender

Certifications: COMPTIA/TestOut: Security Pro (2023), Network Pro (2022), PC Pro (2022), IT Fundamentals Pro (2021)

WORK EXPERIENCE

SharePoint Developer | MSU Facility for Rare Isotope Beams | East Lansing, MI

May 2024 - Present

- Designed and prototyped Microsoft SharePoint Online (SPO) applications to meet diverse business requirements, enhancing team collaboration.
- Automated 10+ business processes by leveraging Microsoft Power Automate, improving workflow efficiency across various departments.
- Assisted in the maintenance and continuous improvement of 10+ SPO applications, ensuring user satisfaction.
- Gained experience in testing and deploying SPO applications in production environments.
- Provided timely assistance through Kayako ticketing system for 500+ laboratory members and engineers, resolving issues and increasing productivity.

PC Technician | MSU Surplus and Recycling Center | East Lansing, MI

August 2023 - May 2024

- Processed 200+ electronic devices monthly for recycling and resale, ensuring compliance with data security protocols.
- Managed network OS deployment across 50+ computers weekly, enhancing device readiness for resale.
- Repaired and restored hundreds of damaged devices, enhancing the quality and value of items for resale.
- Built expertise in diagnosing and repairing electronics, including industrial systems, AV equipment, and computer components.

I.T. Intern | Kalamazoo Public Schools Technology Services | Kalamazoo, MI

June 2022 - August 2023

- Deployed computer assets and educational technology, ensuring accessibility for students and staff.
- Configured and maintained operating systems on 500+ devices, improving functionality and user experience.
- Repaired broken student Chromebooks, addressing screen, motherboard, battery, and software issues.
- Provided tech support across 28 KPS locations, enhancing student and staff satisfaction.

PROJECTS

Human Mobility Predictions with Python Data Analytics (Pandas, Matplotlib, scikit-learn)

April 2024

- Utilized a large-scale dataset (360,000 observations) by preprocessing weekly CSV data with Panda.
- Implemented and evaluated machine learning models such as Random Forest and Gradient Boosting regression.
- Optimized model parameters to balance processing speed with accuracy for high-volume data analysis.
- Analyzed output to identify key trends and provide actionable insights.