

SAHIL KHAREL

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Summary

Motivated college sophomore pursuing an Associate of Arts in Business and Computer Science, with a strong interest in data analytics and financial modeling. Experienced in tutoring, administrative support, and leveraging technology to drive economic insights. Adept at programming, data visualization, and collaborative problem-solving. Currently preparing to transfer to a four-year university in Fall 2026 to continue studies in Economics and Data science.

Education

Associate of Arts, Business and Computer Science
Montgomery College, Rockville, Maryland

Expected May 2026
GPA-4.0

Experience

Montgomery College | *Peer Tutor, Economics and Accounting*

September 2024 – Present

- Deliver one-on-one and group tutoring sessions for introductory and intermediate economics courses.
- Assist students in understanding complex economic theories, quantitative analysis, and practical applications.
- Develop tailored study plans and resources to enhance student engagement and academic success.

Montgomery College | *Student Assistant, Student Wellness Center*

September 2024 – January 2025

- Organized campus-wide wellness programs and events focused on mental health, nutrition, and fitness.
- Provided administrative support, manage communications, and maintain accurate records for wellness initiatives.
- Served as the first point of contact for students seeking wellness resources, offering empathetic guidance and referrals to appropriate services.

Technical Skills

- **Programming Languages:** Python (Pandas, NumPy, Matplotlib), C++
- **Tools and Platforms:** SQL, MS Excel, Google Sheets, Tableau, Power BI, Jupyter Notebook, Visual Studio Code, Git
- **Emerging Technologies & Techniques:** Generative AI, Natural Language Processing (NLP), LangChain, LLM Fine-Tuning, PEFT, LoRA, Prompt Engineering, Retrieval-Augmented Generation (RAG), Embeddings, Clustering with LLMs, Cosine Similarity, Word2Vec, GloVe, TF-IDF, Bag of Words.

Working Papers

- Did Medicaid Expansion Help Mitigate Self-reported Health Issues Among People With Chronic Health Conditions During the COVID-19 Pandemic? (With Dr. Rajendra Dulal and Dr.Umesh Ghimire). *Submitted.*

Certifications

- **100 Days of Code: The Complete Python Pro Bootcamp** – Udemy, Angela Yu (2024)
- **Data Science Foundation** – NeuralsenseAIML (2025)

Additional Skills

- **Languages:** English (Advanced), Hindi (Advanced), Nepali (Fluent)
- **Business Skills:** Basic knowledge of accounting and financial statements, some experience with QuickBooks, and an understanding of business operations and forecasting
- **Technical Proficiency:** Exploratory data analysis (EDA), statistical analysis, data visualization, and strategic decision-making using financial models.
- **Soft Skills:** Teamwork and collaboration, clear communication, adaptability and flexibility, time management and multitasking, attention to detail under pressure, relationship-building across diverse teams, active listening and empathy.

Honors and Awards

- Presidential Academic Excellence Award
- Dr. Harry Harden Jr. Student Academic Excellence Award
- Renaissance Scholar - Montgomery College
- STEM Scholar- Montgomery College
- Phi Theta Kappa- Montgomery College
- Montgomery College Foundation Scholarship- Montgomery College
- MC Leads 8th Cohort Graduate