

Shonal Gangopadhyay

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Dedicated and results-oriented Machine Learning Engineer with a Master's degree in Computer Science and a strong background in teaching and software development. Equipped with expertise in designing, implementing, and optimizing software and machine learning solutions and skilled in programming, model lifecycle management, and collaborative development, I aim to leverage my skills in a dynamic environment to drive innovation and improve user experiences.

Experience

TEACHING SPECIALIST | UNIVERSITY OF MINNESOTA | MINNEAPOLIS, MN

January 2022 - Present

- Designed and delivered **industry-relevant coursework** in C++ and software engineering, aligning with modern development practices.
- Led hands-on projects involving **software design, algorithm optimization, and system architecture**, preparing students for engineering roles.
- Mentored students on **best practices in software development**, including version control, testing, debugging, and performance optimization.

MACHINE LEARNING ENGINEER | CVIEW CONSULTING | MINNEAPOLIS, MN

May 2022 – August 2022

- Engineered **ML-driven solutions** to analyze learner performance and dynamically adjust assessment difficulty.
- Developed **data pipelines** to preprocess and transform large-scale educational datasets for feature extraction.
- Deployed ML models in **AWS cloud environments**, optimizing for efficiency and scalability.
- Collaborated with a **cross-functional international team** to meet project milestones and improve system performance.

Education

M.S. COMPUTER SCIENCE | DECEMBER 2023 | UNIVERSITY OF MINNESOTA

GPA: 3.83

Skills & Abilities

- Python, C++, Java, PyTorch, XGBoost, sklearn, TensorFlow, Docker, AWS, SpaCy, NLTK
- Experience in MongoDB, data ingestion, feature extraction, and model lifecycle management
- Software design on Linux/Windows platforms
- Git, Jira, CI/CD pipelines
- Excellent communication and collaborative skills in cross-functional environments
- Strong problem-solving abilities and a results-oriented approach
- Mentorship and technical communication