Armand Bashige

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EDUCATION

Augsburg University   Minneapolis, MN
Bachelor of Science in Computer Science, Minor in Data Science and Mathematics, GPA: 3.45   Expected May 2026
Awards/Honors:
 Augsburg Regents Scholarship, Sankofa Circle Fellowship Scholarship
Relevant Coursework:
Data Structures and Algorithms, Data Science, Web Apps and Databases

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, HTML, CSS
Software: Eclipse, R Studio, Visual Studio, CSS, Git
Frameworks/Technologies: Node.js, Fast API, MongoDB, Web3.js

WORK EXPERIENCE

Augsburg University   Minneapolis, MN
Supplemental Instructor (Java & Python)   Aug 2025 - present
- Boosted **student performance by 25%** through coding sessions focused on algorithmic logic, and debugging.
- Led weekly **workshops for 30+ students**, reinforcing Java and Python concepts and problem-solving confidence.
- Collaborated with **faculty to design exercises** that improved course **retention and engagement by 20%**

Augsburg University   Minneapolis, MN
Machine Learning (Undergrade Researcher)   May 2025 – Aug 2025
- Applied **ensemble learning models (Bagging, Boosting, Voting)** and improved predictive accuracy by **18%** on ecosystem dataset
- Reduced **data noise and missing values by 62%** through preprocessing, imputation, and normalization methods
- Benchmarked ensemble vs. DP models, optimizing computational efficiency and achieved **20% faster training**.

Augsburg University   Minneapolis, MN
Tech Desk Assistant   Sep 2024 - present
- **Resolved 95% of technical issues** on first contact, providing fast, user-focused IT support for students and faculty.
- Configured and maintained **30+ devices weekly**, ensuring smooth operations across university systems.
- **Assisted 800+ new students** with account setup and activation, ensuring seamless onboarding to the system

PROJECTS

Full-Stack Campus Navigation System (React, Flask, MySQL)
- Developed a campus navigation platform to help students and visitors **locate buildings quickly** across campus.
- Integrated OpenRouteService API for real-time routes accessible **by simply clicking building names**, enhancing ease of use for **1,000+ users**.
- Optimized backend and **database performance**, improving route-loading speed and ensuring system reliability.

AI/ML Pipeline Development   Remote
Externship Program   Fall 2025 - Present
- Built a modular OCR→RAG **pipeline for 200+ page mortgage PDFs** with chunking,
- metadata filters, and classification layers.
- Improved **retrieval accuracy by 15% and reduced latency by 25%** using optimized vector databases (FAISS, Chroma) and LlamaIndex.
- Developed a UI enabling users to **search and validate documents** through Mistral, and Gemini LLM integrations.

CERTIFICATES/ONLINE COURSE

AWS/Cloud Certificates   Minneapolis, MN
AWS cloud Practitioner Essentials (Amazon)   Aug 2025 – Present
- Gained knowledge of **AWS cloud services, architecture, security,** and **deployment models.**
- Developed understanding of AWS cost management, compliance, and core service use cases.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow
Career Preparation Fellow
- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills