

Abdul Aahad Vakani

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OBJECTIVE

Curious and motivated Computer Science and English Writing student eager to tackle real-world challenges in technology, data, and communication. Seeking opportunities to grow as a developer and collaborator, contribute creative solutions, and help teams build systems that actually make life easier (or at least more interesting).

EDUCATION

DEPAUW UNIVERSITY

B.A. IN COMPUTER SCIENCE AND ENGLISH WRITING

Expected May 2026 | Greencastle, IN

Dean's List

TECHNICAL SKILLS

LANGUAGES

Python • C/C++ • Java • HTML • CSS • JavaScript

FRAMEWORKS AND TOOLS React, FastAPI, Git/GitHub, AWS, Uvicorn, Pandas, scikit-learn

EXPERIENCE

DEPAUW UNIVERSITY | INFORMATION TECHNOLOGY INTERN

May 2024 – Now | Greencastle, IN

- Automated IT workflows and internal mail sorting, improving ticket resolution speed by 20
- Developed system to route network issues to appropriate teams.
- Supported the university's SSO (Single Sign-On) transition, improving user experience across systems.
- Prepared and deployed hardware to faculty/staff, ensuring continuity of service.

DEPAUW UNIVERSITY | RESIDENT ASSISTANT

Jan 2025 – Now | Greencastle, IN

- Supported crisis management and peer mentorship for 80+ students; analyzed survey data to inform residential IT needs.
- Facilitated conflict resolution and community-building in diverse residential settings.

DEPAUW UNIVERSITY | FIRST YEAR MENTOR

Aug 2024 – Now | Greencastle, IN

- Coordinated academic, career, and tech resource access for 300+ new students in collaboration with IT and Student Life teams.

SELECTED COURSEWORK

Machine Learning

Data Mining

Data Structures

Theory of Computation

Object Oriented Software Development

Calculus II

PROJECTS AND

RESEARCH

INTERACTIVE STORY ENGINE

FULL-STACK GAME APPLICATION

May 2025

- Developed a full-stack interactive storytelling engine with procedural content generation.
- Designed RESTful backend in FastAPI to manage game state, commands, and narrative progression.
- Built responsive frontend in React.js with typewriter effects, dynamic UI, and smooth transitions.
- Engineered save/load functionality and modular story templates for flexible narrative structures.
- Implemented intent classification to process natural language commands and drive gameplay logic.
- Supported both web and CLI interfaces; configured secure CORS and robust client-server architecture.

MACHINE LEARNING & DATA ANALYSIS PROJECTS |

INDEPENDENT RESEARCH

Aug 2024 – May 2025 | Greencastle, IN

- Implemented ML models (KNN, RF, SVM, MLP, etc.) to classify and analyze text/image data.
- Used k-fold cross-validation, GridSearchCV, and visualized results using matplotlib/pandas.
- Created reports and dashboards to explain performance metrics to non-technical audiences.
- Analyzed sociolinguistic code-switching data; created reports/presentations.

AWARDS AND LEADERSHIP

- Dean's List, DePauw University.
- Selected as Resident Assistant and First Year Mentor for leadership and communication skills
- Presidential Ambassador 2025-26.