

# Nauryzbek Berdi

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## EDUCATION

**Berea College** – Berea, KY

**BA, Computer & Information Science, Minor in Business Administration**

*August 2023 – May 2027*

*Cumulative GPA: 3.43/4.00*

## SKILLS

- Programming: Python, JavaScript, SQL, C++, HTML5, CSS3
- Frameworks: React.js, Node.js, Express.js, Flask, Bootstrap, Tailwind CSS
- Databases & Tools: PostgreSQL, SQLite, Prisma ORM, Git, GitHub, RESTful APIs, Jinja
- Developer Tools: CI/CD, GitHub Copilot, Postman
- Languages: English (fluent), Russian (native), Kazakh (native), Turkish (intermediate)

## EXPERIENCE

### Full-Stack Developer

*June 2025 – July 2025*

**Purdue University** – West Lafayette, IN

- Architected comprehensive project management platform serving 5,000+ students and 100+ peer mentors, eliminating 100.00% of scheduling conflicts through automated workflow system
- Built role-based authentication system with 4-tier hierarchy using React, Node.js, PostgreSQL, and Prisma ORM, enabling non-technical staff to manage operations independently
- Implemented real-time consultation booking system with automated availability tracking, reducing administrative workload by 60.00% and providing analytics dashboard for project metrics

### Teaching Assistant, Computer Science Department

*August 2024 – May 2025*

**Berea College** – Berea, KY

- Data Structures & Algorithms (Spring 2025): Mentored 30+ students in algorithm design and complexity analysis, improving average assignment scores by 15.00% through targeted tutoring sessions
- Software Design & Implementation (Fall 2024): Evaluated and provided detailed feedback on 36 students' software projects, emphasizing design patterns and clean code principles

### Recognized Student Organizations Assistant

*August 2025 – Present*

**Berea College** – Berea, KY

- Support all recognized student organizations with event planning and administrative needs, serving the campus community
- Guide organizations through Berea Engage platform, event submissions, and resource allocation while ensuring policy compliance

## PROJECTS

### Auto Grader Program (Python, Google Sheets API, Moodle API, Web Scraping)

- Developed an automated grading system that streamlines quiz scoring and grade posting on Moodle; increased grading efficiency by 30.00% while maintaining data accuracy through automated validation processes
- Utilized Python with Google Sheets and Moodle APIs for seamless data integration; implemented web scraping techniques with custom error handling for reliable grade processing

### Flashcard App (Flask, SQLite, JavaScript, Bootstrap, Jinja, HTML, CSS)

- Developed a full-stack web application that enables users to create, manage, and study digital flashcards; incorporated secure user authentication and authorization systems to protect data and content
- Used Python and Flask framework with Jinja templating and SQLite database; designed responsive interfaces with HTML, CSS, Bootstrap, and JavaScript for enhanced user experience

### RSO Chatbot (PyTorch, Flask, NLTK, JavaScript, HTML, CSS)

- Developed neural network chatbot deployed at Berea College to answer student questions about campus organizations; processes 65 intent categories with 80.00% confidence threshold, achieving cost-effective solution with sustainable hosting
- Implemented PyTorch neural network with custom preprocessing pipeline and Flask REST API; deployed production application on Render serving campus community

## LEADERSHIP & ENGAGEMENT

- Member, Google Developer Club, Berea College
- Member, National Society of Black Engineers, Berea College

*September 2023 – Present*

*January 2024 – Present*