

ABHISHEK SHRESTHA

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SOFTWARE DEVELOPMENT

Experienced Computer Science student proficient in Python and Java, with strong problem-solving abilities and hands-on experience from internships and various projects. Seeking a full-time software development role upon graduation. Open to remote, hybrid, or onsite work and willing to relocate. Eager to learn and contribute to innovative projects.

SKILLS

Java, Python, SQL, MongoDB, Django, Node.js, React.js, Next.js, C/C++, Docker, Git, JIRA, AWS, Agile, Debugging, Documentation, Data Structures & Algorithms, Project Management, Communication skills

EDUCATION

Northern Kentucky University
Bachelor's, Computer Science

May 2025
GPA: 3.81

PROFESSIONAL EXPERIENCE

Narratize

Covington, KY, USA
May 2024 - Present

Software Engineering Intern

- Migrated data and functionality from a Narratize app built on Bubble to a modern, efficient backend using Django.
- Employed Docker for containerization, ensuring a smooth development and deployment process.
- Collaborated using GitHub for version control, Jira for project management, and Slack for team communication.
- Achieved a 30% improvement in app performance and maintainability through strategic refactoring and incremental updates.

Northern Kentucky University
Software Development Intern

Highland Heights, KY, USA
January 2024 - May 2024

- Developed an online Python learning tool web app using Node.js and EJS, enhancing the educational experience for students.
- Integrated OpenAI API to generate Python assignments for students based on retrieved questions and explanations.
- Created prompts for accurate JSON formatting of the data needed, ensuring seamless data integration and presentation.
- Utilized Spring Boot to generate endpoints for a PostgreSQL database, facilitating efficient data management and retrieval.

PROJECTS & OUTSIDE EXPERIENCE

ProtectMe - Mobile app - [Link to project](#)
Mobile app development

January 2024 - May 2024

- Developed ProtectMe app using Kotlin, implementing MVVM architecture for a robust, scalable structure.
- Led a four-member team through the project lifecycle, fostering collaboration on GitHub, organizing weekly meetings, and ensuring adherence to the Software Development Life Cycle
- Enabled faster, easier communication in emergencies, enhancing personal safety and critical communication.

Data Preprocessing for Production Flaws Analysis - [Link to project](#)

- Led a team of 3 in developing a Python app for data preprocessing, for a North American steel company.
- Utilized PostgreSQL and applied NLP techniques, achieving a 15% increase in data accuracy and efficiency.

LEADERSHIP AND ACHIEVEMENT

NUKE | VEX U Robotics World 2024 Finalist | Dallas May 2024

- Collaborated in designing, building, and optimizing robots for the Over Under game at the VEX U Robotics World Championship, showcasing leadership and problem-solving skills, contributing to the team's world finalist position.

Fidelity Investments Hackathon 2024 | Ranked 3rd | Kentucky May 2024

- Collaborated to develop a dynamic financial literacy web app using JavaScript, HTML, CSS, and NodeJS. Integrated the Large Language Model and GPT-4 for intelligent quiz generation, real-time feedback, and personalized learning experiences.