

Aayush Shahi Thakuri

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LANGUAGES AND SKILLS

Programming Languages: Java, Python, C#, JavaScript, ReactJS, Angular, .Net Core, REST APIs, MVC, HTML5, CSS3.
DevOps & Software: Azure DevOps, Git, Visual Studio, IntelliJ, SQL Server Database, Swagger, Bash, Ubuntu, Docker.
Interpersonal Skills: Growth Mindset, Open Communication, Adaptability, Time Management, Agile, Scrum.

EDUCATION

Minnesota State University, Mankato

Graduation Date – Dec 2023

Double Major: Bachelor of Science in Multidisciplinary - Computer Science, Electrical Engineering, and Mathematics.
Bachelor of Applied Science in Computer Application Development.

WORK EXPERIENCE

Software Engineering Intern

Jun 2023 – Aug 2023

Vizient, Inc.

Cape Girardeau, Missouri

- Contributed to the design, development, and deployment of a **rebate-maximizing** app by collaborating with a **cross-functional team of 15** developers, QA, and managers using Angular, Kotlin, Docker, and Azure DevOps.
- Translated **over 3 user stories weekly** into software specifications, incorporating effective software design patterns and software development methods, resulting in faster feature deliveries, and reduced technical debt.
- Integrated automation for ESLint and Prettier for TypeScript and Detekt for Kotlin through pre-commit and pre-push hooks to enforce coding standards, reduce code errors, and enhance development cycles.
- Consistently achieved **over 95% test coverage** through active participation in Test-Driven Development, code reviews, and pair programming, improving code quality, and performance prior to integration into the codebase.

Database Developer Intern

Aug 2022 – Dec 2022

Croptomize, LLC

Mankato, Minnesota

- Enhanced data access and accuracy by creating a Python application to process, analyze, and update **500,000 CSV data entries** from CME Group's website into an Amazon RDS MySQL, validating and ensuring data integrity.
- Developed reliable options and contract solutions from scratch using Black and Scholes Model, resulting in customers' success in making informed decisions with an **accuracy rate of under 2.75%**.
- Increased developers' productivity by 18%** through the implementation of Sphinx to generate comprehensive and user-friendly technical documentation, including development logic and test cases.

Software Development Intern

Jun 2022 – Aug 2022

Orion Food Systems, LLC

Sioux Falls, South Dakota

- Led a team of 4 interns** using Agile Methodologies to design and develop over **5 high-fidelity wireframes** that showcased software components and features, fostering web application design skills and confidence.
- Built and maintained over 20 RESTful APIs and endpoints** using C#, ASP.NET Core- MVC Architecture for CRUD operations, authentication, and authorization, enabling scalable application development.
- Conducted comprehensive code reviews, and peer reviews, managed merge requests on GitHub, and established CI/CD on Azure DevOps, providing ongoing production support for the entire team, and ensuring software quality.

Full-Stack Developer Intern

Jan 2022 – May 2022

Novus Media, LLC

Bloomington, Minnesota

- Improved backend development by testing RESTful web services with Swagger, applying object-oriented design to create server-side logic, controllers, and models, and enhancing code modularity, reliability, and maintainability.
- Optimized layouts, endpoints, and UI responsiveness by **debugging 150+ code issues**, enhancing app performance.
- Communicated with software engineers to analyze product requirements, estimate timelines, and deliver features, leading to continuous improvement in software development.

LEADERSHIP AND INVOLVEMENT

- MavPASS Leader** | Java and Python Tutor – Mankato, MN | Aug 2022 – Present
- Web Content Editor** | Minnesota State University, Mankato, MN | Aug 2022 – Dec 2022
- Secretary** | Institute of Electrical and Electronics Engineers – Mankato, MN | Jan 2020 – Aug 2021