

Aayush Shahi Thakuri

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LANGUAGES AND SKILLS

Languages: Java, C#, Python, JavaScript, TypeScript

DevOps: Git, Azure DevOps, AWS, Docker, Visual Studio

API Design: RESTful APIs, MVC, N-tier Architecture

Frameworks: .NET, ASP.NET, Angular, React, Spring Boot

Database: MS SQL Server, MySQL, SQLite

Soft Skills: Growth Mindset, Adaptability, Teamwork

EDUCATION

Minnesota State University, Mankato

Graduated – 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 and QA engineers using Spring Boot, Kotlin, Docker, and Microsoft Azure.
- 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 before 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 validate **500,000 CSV data entries** from CME Group's website into an Amazon RDS MySQL database, ensuring data integrity.
- Built reliable options and contract solutions from scratch using Black and Scholes Model, resulting in customers' success in making informed financial 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 Methodology (**Scrum**) to design and develop over **5 high-fidelity wireframes** that showcased software features, fostering web application design skills and confidence within the team.
- Developed and delivered application features with **CRUD** functionalities on time utilizing **ASP.NET, C#, MVC – RESTful APIs, MS SQL Server, TypeScript, HTML, CSS, and Bootstrap**, presenting successful results to the director.
- Conducted code and peer reviews, managed merge requests, and automated **CI/CD** pipeline to build, test, and deploy on **Azure DevOps**, providing ongoing development support for the team.

Full-Stack Developer Intern

Jan 2022 – May 2022

Novus Media, LLC

Bloomington, Minnesota

- Communicated with software engineers, business team, and manager to analyze product requirements, estimate timelines, and deliver features, leading to continuous improvement in software development.
- Debugged **150+** front-end issues using **Jasmine**, optimizing **Angular** application performance and responsiveness.
- Developed Server-Side logic (**RESTful APIs – Controllers/Models**) using .NET, MVC, and object-oriented design, enhancing modularity, scalability, and **Separation of concerns (SoC)**, and used **Swagger** for API testing.

LEADERSHIP AND INVOLVEMENT

- MavPASS Leader** | Java and Python Teaching Assistant – Mankato, MN | Aug 2022 – Nov 2023
- 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