

ARYAN MALGURI

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EDUCATION

Pennsylvania State University

Masters of Science in Software Engineering (Computer Science)

Aug 2023 - Dec 2024

Malvern, PA

Dayananda Sagar College Of Engineering

Bachelors of Engineering in Electronics And Instrumentation

Oct 2016 - Dec 2020

Bengaluru, India

EXPERIENCE

Graduate Research Assistant

Malvern, PA

Oct 2023 - Present

- Created a Django app on Azure Cloud, reducing data processing time by 40%. The app compares responses between professors and students using graphical statistics
- Developed a web scraping solution using X-path, streamlining data collection by 60%. Utilized data analytics to create interactive dashboards, enabling data-driven decisions and improving operational efficiency by 25%

Senior Associate

PwC, India

Jun 2021 - Jun 2023

Bengaluru, India

- Owned low-level object design, crafting class patterns and engaging in distributed system architecture discussions. Wrote clean, efficient code adhering to low-level design, improving system performance and scalability by 30%. Collaborated cross-functionally, ensuring seamless component integration, reducing development time by 20%, and enhancing system reliability.
- Implemented Node.js-powered Azure Functions with webhooks to enable real-time data synchronization between platforms, optimizing performance in a distributed cloud environment and integrating with AWS(serverless), resulting in a 40% improvement in data processing speed
- Participated in all aspects of the software development lifecycle, including design, coding, code review, testing, bug fixing, and code/API documentation.

Software Developer

MuSigma, India

Feb 2021 - Jun 2021

- Pioneered frontend components for an internal application using Angular and React, ensuring user-friendly interfaces and a responsive user experience, resulting in a 25% increase in user satisfaction and reduced support tickets by 30
- Contributed to the development of RESTful APIs and backend functionalities optimizing performance by 20%

PROJECTS

Recommendation System: Music and Movie recommender system employing content-based filtering, cosine similarity, and advanced database techniques on public datasets, showcasing expertise in software architecture and collaborative development

YouTube Book Marker (Google Chrome Extension): Built a Chrome extension for YouTube video timestamp bookmarking with a popup interface ensuring seamless API integration, demonstrating proficiency in front-end development and testing methodologies

SKILLS

Languages	C++, C, Python, Java, JavaScript, Node, SQL, NoSQL, MySQL, C#
Frameworks	Express, Next.js, React, Spring Boot, ASP.NET Core, Kafka, jQuery
Tools	Git, Azure DevOps
Other	Docker, REST API