

Himavanth Kumar Perni

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Education

George Mason University

Master's in Computer Science - CGPA:3.77/4

Jan 2023 – Dec 2024

Fairfax, Virginia

Andhra Loyola Institute of Engineering and Technology

Bachelor of Technology in Computer Science - CGPA:7.74/10

Jun 2018 – May 2022

Vijayawada, India

Technical Skills

Languages: Python, JS, Java, C/C++, C#, HTML/CSS, TypeScript, React, MySQL, MongoDB.

Developer Tools: GitHub, Swagger, Jenkins, Docker, Kubernetes, Cursor, Postman, CI/CD, Kafta.

Technologies/Frameworks: JUnit, REST APIs, Spring Boot, JDBC, Flask, Angular, Express.js, MVC, LangChain.

Certifications: [AWS Developer](#), [Azure AI Engineer](#), [Azure AI Fundamentals](#), [Core Java](#), [DevOps](#), [Node and Express](#).

Experience

The Donovan's Venom

Microsoft Azure Devops Engineer

Oct 2024 – Present

Remote

- Deployed Azure Monitor and Application Insights, cutting incident resolution time by 30% with real-time performance monitoring and implemented a CI/CD pipeline with Azure Pipelines, reducing deployment times by 50% and eliminating manual errors.
- Deployed the application on Vercel for staging and testing, ensuring seamless integration and performance validation before production release.

George Mason University

Graduate Assistant

Aug 2023 – Dec 2024

Fairfax, Virginia

- Designed and developed features using Next.js and TypeScript, which improved the performance and user experience by optimizing components and introducing efficient state management.
- Automated the deployment process for GraphQL microservices using Jenkins in a Docker based CI/CD pipeline, enabling seamless integration, testing, and deployment across multiple environments, resulting in a 50% reduction in deployment time and improved code quality.

Octazen Software Solutions

Front End Developer Intern

Aug 2020 – Oct 2020

Hyderabad, India (Remote)

- Refactored an existing React application to improve performance by using lazy loading and code splitting techniques, reducing initial load times by 35% and improving user experience.
- Implemented Progressive Web App from Workbox using Service Workers, enabling offline access and faster load times, leading to a 20% increase in user retention. Utilized SQLite and local storage for offline capabilities in the mobile app, ensuring data persistence and sync with the cloud once the connection is restored.

Projects

Dynamic Inventory Hub | *React.js, FastAPI, MongoDB, Microservices*

Oct 2024 – Nov 2024

- Built a microservices-based inventory management and payment system using **FastAPI** and **React.js**, with **MongoDB** for scalable data storage and **Motor** for asynchronous database interactions.
- Implemented dynamic real-time pricing and robust error handling with user-friendly feedback for stock availability, ensuring seamless navigation and secure CORS-enabled cross-origin communication

EmployeePulse-API | *Springboot, MYSQL, Insomnia, Cursor*

Jun 2024 – Aug 2024

- Developed a RESTful API using **Spring Boot** and **MySQL**, implementing transaction management and dependency injection to support seamless CRUD operations, scaling effectively with increasing employee data.
- Implemented **Spring Security** for authentication and authorization, securing sensitive employee data by restricting access to specific endpoints based on user roles.

Serverless Data Validator | *AWS Lambda, API Gateway, Step Function, SNS, S3, DynamoDB*

Feb 2024 – Mar 2024

- Architected and deployed a serverless File validation system utilizing **AWS Lambda**, **Amazon S3**, and **AWS Step Function**, enabling automated file processing and real-time notifications through **Amazon SNS**, resulting in a scalable and cost-efficient data validation pipeline.
- Implemented secure and efficient data storage with **Amazon DynamoDB** and managed infrastructure as code using **AWS CloudFormation**, while ensuring high observability and reliability through **Amazon CloudWatch** and **AWS X-Ray** integration.

ReactRush | *React, Express, MongoDB, ReactMUI*

Jan 2024 – Jan 2024

- Built a responsive full-stack web application using **React**, **Express**, and **MongoDB**, implementing real-time CRUD functionality with efficient state management, enabling users to interact seamlessly across devices.
- Designed a dynamic user interface using **React MUI**, introducing a light/dark mode toggle feature to enhance user customization and improve accessibility for diverse user preferences.