

Akshaykumar Nayee

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Education

Gannon University, Erie, PA

August 2023 - May 2025

Master's in Computer and Information Science major in Software Engineering

Gujarat technological University, Ahmedabad, Gujarat, India

September 2017 – August 2020

Bachelor's in Computer Science

Relevant Experience and Internships

Gannon University Erie, PA, USA

September 2023 - Present

Student Research Assistant (IOT)

- Contributed to the development of the IoT Device Health Status Ecosystem, focusing on device management and device health monitoring.
- Programmed IoT devices using Python and Raspberry Pi, enhancing data processing and device management.
- Utilized MQTT for efficient IoT communication and Laravel and JavaScript for developing a scalable web command center.
- Managed the Web Command Center for real-time monitoring of IoT device health.
- Implemented REST APIs for improved dashboard design and data visualization.

Rishabh Software PVT LTD. Vadodara, Gujarat, India

September 2022 – August 2023

Associate Software Engineer

- Designed and developed applications using Laravel in an Agile team environment, incorporating AWS services (EC2 and S3) for scalable infrastructure management, and adhered to SOLID principles to ensure robust and maintainable code.
- Implemented core design pattern concepts in Laravel application development, significantly enhancing architecture, functionality, and maintainability.
- Developed and enhanced single-page applications using front-end technologies such as React.js, focusing on user-centric features like efficient reloading and server-side fetching, and ensured code quality through comprehensive Unit Test Cases.
- Contributed to the development and maintenance of (ERP) systems, applying a blend of technical skills to improve operational efficiency and user experience, with a focus on applying design patterns for optimal system design.
- Employed Docker for web application containerization, focusing on efficient deployment and scalability, and utilized Unit Testing to ensure reliability and consistency in the containerized environment.
- Crafted visually appealing and user-friendly interfaces using Bootstrap, React.js, HTML, CSS, and Laravel, contributing to an enhanced user experience and applying React-specific design patterns to optimize front-end architecture.
- Improved application performance by 35% with optimized REST APIs in Laravel, coupled with efficient front-end development in React.js for dynamic user interactions, and validated enhancements through rigorous Unit Testing.
- Participated in Agile methodologies, including daily stand-up meetings and sprint planning, ensuring project alignment with business goals, adherence to high coding standards, and implementation of design patterns and SOLID principles for software excellence.

Web brains Technologies PVT LTD. Vadodara, Gujarat, India

September 2021 – August 2022

Software Engineer

- Collaborated within a cross-functional team to successfully deploy enterprise applications.
- A global multi-vendor E-commerce platform. Enabled seamless worldwide payments via Airwallx and Stripe gateways. Empowered users with Customer, Admin, and Supplier panels, developed using Laravel, Bootstrap, HTML, CSS, JavaScript, PHP, and MySQL technologies.
- A mobile application's REST API using Laravel, rigorously tested with Laravel Unit Testing. Seamlessly integrated Razor Pay and Vauld payment gateways to facilitate secure cryptocurrency buying and selling transactions within the app.

Brain Bean Techno Labs, Anand, Gujarat, India

March 2021 – September 2021

Software Engineer Intern

- Developed and maintained modules for an e-commerce ERP system during a 6-month internship, utilizing PHP, Laravel, JavaScript, MySQL, and jQuery.
- Leveraged PHP and Laravel to create back-end features, incorporating JavaScript and jQuery for dynamic client-side interactions. Managed MySQL databases, optimizing data retrieval and storage processes for improved system efficiency.

Certifications

Data Analytics Using Python	July 2021
Programming for Everybody	May 2020
Python Django Full Stack Developer	May 2020

Skills

Languages: Python, PHP, JavaScript, Java, SQL.

Libraries and Frameworks: Django, Laravel, Cake-PHP, Node JS, React JS, Express JS, MongoDB, Rest Apis.

Other Tools and Technologies: AWS, Docker, Jira, Postman, VS Code, Git, MQTT, Raspberry Pi.