

# AJITH KUMAR POORI

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## Education

### Indiana University

*Masters in Computer Science*

**Bloomington, IN**

*August, 2022 - May, 2024*

### Anurag Group Of Institutions

*Bachelor of Technology in Electronics and Communication Engineering*

**Hyderabad, India**

*July, 2017 - July, 2021*

## Experience

### Research Assistant

*Hohmann Lab.*

**August, 2023 - Present**

*Bloomington, Indiana*

- Developed the 'Rat Counter' Desktop application using JavaFX to simultaneously analyze the duration of each behavior displayed in rats from research videos, resulting in a 500% increase in efficiency.

### Front End Developer

*TATA CONSULTANCY SERVICES.*

**August, 2021 - August, 2022**

*Hyderabad, India*

- Spearheaded the application of agile methodology within the Scrum Cycle model, ensuring seamless project execution and delivery of high-quality software. This increased team productivity by 25% and Cut time-to-market by 20%.
- Engineered a scalable and responsive portal using React, catering to a user base of 3000+. This design elevated the user experience and contributed to increased user engagement.
- Implemented a cutting-edge RESTful Spring Boot Microservices architecture, seamlessly connecting multiple client applications. This strategic move optimized response time by 40% and bolstered system scalability.
- Architected and deployed a robust data layer leveraging Spring Data, empowering Microservices to execute efficient CRUD operations on persistent storage. This innovative approach reduced database latency, amplifying overall application performance by 50%.
- Led log debugging efforts, addressing recurring technical issues and slashing manual effort by 50%. This approach enhanced system reliability and user satisfaction.
- Pioneered the development of a Report Management System utilizing HTML, CSS, JS, PHP, and MySQL. This automated reporting tasks, resulting in an impressive 80% reduction in year-over-year efforts.
- Collaborated seamlessly with the team to identify and implement CI/CD pipeline improvements using Jenkins analytics. These optimizations led to a remarkable 60% reduction in build failures, thereby enhancing system stability and efficiency.

## Technical Skills

**Languages:** Java,Python, C, C++

**Web Technologies:** HTML, CSS, JavaScript,Bootstrap , ReactJS, Express, NodeJS,Spring Boot, AWS

**Developer Tools:**PyCharms, Jupyter Notebook, Eclipse, IntelliJ,VS Code,Docker,Jenkins,Git,Maven

**Big Data Environment:** Spark

**DataBases:**MySQL,MongoDB,PostgreSQL

## Projects

### Book My Nest - Rental Management System

- Created a comprehensive rental management platform, "Book My Nest", allowing users to either find homes suitable for Customer needs or to list customer properties for leasing.
- Engineered user account creation and authentication, ensuring a personalized and secure user experience.
- Leveraged the capabilities of the MERN stack to deliver a seamless, responsive, and real-time application that caters to the needs of both tenants and property owners.

### Yelp Camp

- Conceptualized and crafted a user-friendly web application for campground management and exploration, incorporating an intuitive map interface using MAP BOX API, Bootstrap, and custom CSS; boosted user engagement by 40%.
- Led the end-to-end execution of integrating Create, Update, and Delete functionalities, resulting in improved user experience and 50% drop in support requests.
- Identified and addressed potential security vulnerabilities by importing Express Mongo Sanitize, HTML Sanitize, and Helmet packages; fortified defense against Mongo Injections and XSS attacks, ensuring data privacy.
- Integrated Cloudinary's image manipulation and optimization features, achieving a 50% decrease in image file size, while boosting page load speed by 40% and enhancing user experience on the website.
- Incorporated MongoDB, Express, Node.JS, and Mongo Atlas DB to develop and deploy a cloud-based database on Heroku, resulting in a 40% reduction in data retrieval time and Upgraded scalability for the project.