# Pranideep Reddy Nayaki

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## EDUCATION

**Kent State University** — Kent, OH
*Master of Science in Computer Science* — *Aug. 2023 – Dec. 2024*

**Geethanjali College of Engineering and Technology** — Hyd, India
*Bachelor of Technology in Computer Science and Engineering* — *Aug. 2017 – July 2021*

## EXPERIENCE

**Software Development Specialist Intern** — Sep. 2024 – Present
*Center for Societal Aspiration* — *Ohio, USA*

- Collaborated on a full-stack application using Java, Spring Boot, React.js, and MongoDB, driving a 25% increase in scalability and 40% enhancement in data management efficiency for a community-focused project.
- Assisted in optimizing backend APIs, achieving a 30% reduction in response times through effective database indexing and schema enhancements.
- Integrated Spring Security with third-party services for secure user onboarding, ensuring 100% JWT and OAuth authentication, and implemented JUnit tests for feature validation.
- Supported the automation of CI/CD pipelines using Jenkins and GitHub Actions, resulting in a significant decrease in deployment time from 5 days to 1 day and a 60% improvement in deployment efficiency.
- Created user documentation that improved onboarding and reduced support requests by 35%, while ensuring adherence to code quality best practices.

**Custom Software Engineering Associate** — Sep. 2021 – July 2023
*Accenture* — *Hyd, India*

- Developed and maintained key features for a security system using Java, Spring Boot, JavaScript, and React.js, enhancing secure user authentication and real-time monitoring, resulting in a 25% boost in operational efficiency.
- Led the re-architecture of a multi-page web app into a single-page application, driving a $1.4M annual revenue increase.
- Enhanced application performance by 12% by developing RESTful APIs with Spring MVC, slashing response times and minimizing downtimes.
- Achieved 95% test coverage using Mockito and Selenium, integrating tests into the CI/CD pipeline. Conducted code reviews, peer programming, and maintained REST API documentation with Swagger UI.
- Orchestrated the setup of Azure VMs and infrastructure services, directly contributing to a 40% increase in system performance and a 25% reduction in downtime.
- Optimized MySQL architecture, improving data retrieval speed by 35% and driving a $500K revenue increase.

**Student Intern** — Mar. 2021 – July 2021
*Cognizant* — *Hyd, India*

- Contributed to designing a scalable e-commerce platform with Java and MongoDB under senior developers' guidance, boosting database performance by 30% and responsiveness by 20%.
- Automated testing and deployment scripts, reducing manual efforts by 50% and improving project efficiency.
- Implemented Apache Kafka for real-time event processing, improving system resilience and throughput by 30%.
- Engineered a microservices architecture that improved scalability and accelerated feature delivery by 30%, driving a 20% YoY revenue growth.

**Web Developer Intern** — Apr. 2020 – May 2020
*Iniesta Webtech Solutions* — *Remote, India*

- Revamped the UI and user dashboard with advanced data input and robust customer data validation, leading to a 25% increase in user engagement.
- Deployed user feedback loops and analytic tools, providing actionable insights that led to a 10% improvement in user experience and satisfaction.
- Played a role in integrating Redis for caching, reducing backend load and improving API response times by 20%.
- Worked on the migration of the Grocery Application to a monolithic architecture, enhancing service modules and data validation, which boosted user engagement by 25% and cut project completion time by 15%.

## Projects

**Expense Tracker - Personal Finance Management** | *Spring Boot, MySQL, JavaScript*
- Directed development of the expense analytics dashboard for users' spending insights.
- Improved application responsiveness, reducing page load times by 15% through front-end optimizations.

**Plant Disease Detection Using Machine Learning** | *ML, Python, JavaScript, Flask*
- Crafted a CNN model for corn plant disease detection, achieving 88.19% accuracy, and conducted real-world testing for robust performance.
- Launched a user-friendly web platform incorporating AI-powered disease diagnostics; enabled farmers to receive actionable crop health insights, reducing disease-related losses by 25% and increasing yield by 15%.

**Minimal College Website** | *React, MySQL, JavaScript*
- Worked on a web-based project encompassing three modules - student, faculty, and admin.
- Responsible for designing web pages and integrating data to the MYSQL server of the student portal which provides information about attendance, results, and subject materials.

## Technical Skills

**Programming Languages:** Java, C/C++, SQL, JavaScript, Python, HTML5/CSS3, TypeScript

**Frameworks:** ReactJS, Flask, Spring Boot, RESTful APIs, Next.js

**Testing and Quality Assurance:** JUnit, Postman, Swagger, Mockito, Unit Testing

**Developer Tools:** Azure, Git, GitHub, Docker, Visual Studio, Google Colab, IntelliJ, Eclipse, Wix Studio

**Operating Systems:** MacOS, Windows, Linux

**Software Development Methodologies:** Agile, Scrum, Waterfall, SDLC

**Other Skills:** JIRA, Data Structures and Algorithms, Algorithm Design

**Soft Skills:** Communication and Presentation Skills, Team Collaboration, Problem-Solving

## ACHIEVEMENTS AND OTHERS

- Microsoft Certified: Azure Security Technologies (AZ-500), Azure Fundamentals (AZ-900), Azure Data Fundamentals (DP-900), Power Platform Fundamentals (PL-900), and Security, Compliance, and Identity Fundamentals (SC-900).

- Certified in Core Java - Pre-Edu Program, EPAM Systems India Pvt Ltd