

# Vijayendher Gatla

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## Experience

### JP Morgan Chase

Jun 2025 – Present

Software Engineer

Hyderabad, Telangana

- Built and scaled backend services with Java, Spring Boot, and Spring Reactive, linking **100,000+ data elements** to improve traceability and reporting for audit and compliance.
- Engineered metrics telemetry pipelines using Micrometer, Prometheus, and Datadog, enabling real-time visibility and **reducing incident triage time by 35%**.
- Improved database performance by using staging tables and integrating PostgreSQL with an existing graph database service, **cutting query latency by 60%** and speeding up report generation for large data sets.
- Developed React (Vite) UI components for internal audit dashboards, including cache-aware loaders, global toast notifications, and retry handlers, improving user experience and **reducing UI failure reports by 40%**.

### JP Morgan Chase

Jan 2025 – Jun 2025

Software Engineer Intern

Hyderabad, Telangana

- Improved test reliability for cloud data migration services using JUnit5, Mockito, and Cucumber, reaching **90% unit and 80% integration test coverage**, and **cutting release bugs by 40%**.
- Built a Cucumber and Spring Boot BDD automation framework for an internal project, helping the team switch to automated tests and **reducing manual testing by 50%**.
- Developed a Spring Boot automation suite with DAG orchestration to validate file ingestion APIs, boosting test efficiency and **speeding up QA cycles by 35%**.

## Technical Skills

**Languages:** Java, Python, TypeScript, JavaScript, SQL, C/C++, R

**Frameworks & Libraries:** Spring Boot, React, Next.js, Node.js, FastAPI, PyTorch, TensorFlow, JUnit, Mockito, Cucumber

**Databases & Tools:** PostgreSQL, MySQL, Git, Docker, Kubernetes, Jenkins, Prometheus, Datadog, Terraform

**Cloud & Platforms:** AWS, Linux

## Education

### Chaitanya Bharathi Institute Of Technology

Nov 2021 – May 2025

Bachelor of Engineering in Computer Science (AI & Data Science) (CGPA: 9.80 / 10.00)

Hyderabad, India

- Awarded a **Gold Medal** for securing highest CGPA in the program

## Projects

### HelixQue | Next.js, Node.js, TypeScript, WebRTC, Clerk

June 2025 – Present

- Architected and launched a professional mentorship platform, attracting **100+ users** and **90+ GitHub stars** within 30 days of its Hacktoberfest release.
- Developed the core **WebRTC**-powered module for live mock interviews, featuring a responsive **shadcn/ui** frontend and secure authentication via **Clerk**.

### Scan Sage | Python, PyTorch, TensorFlow, FastAPI, Chainlit

Nov 2024 - May 2025

- Engineered a Generative AI pipeline using **WGAN-GP** to generate high-fidelity synthetic tumor images, improving model recall on rare classes by **10%** and mitigating data scarcity in medical datasets.
- Architected a **Federated Learning** framework across 10 distributed clients, preserving patient privacy and achieving **91% global model accuracy**, a **6%** gain over single-institution models.
- Designed and validated an end-to-end hybrid system, demonstrating that combining GAN-based augmentation with federated training boosted the final model's F1-Score by over **15%** compared to either component alone.

## Achievements

- Hacktoberfest 2025 Super Contributor:** Earned the title by merging 15+ pull requests and placing among the top 10,000 global contributors.
- Top 5% Competitive Programmer (LeetCode):** Achieved Knight ranking (1862) for DSA proficiency among 2M+ global users.
- Best Code Coverage Award, J.P. Morgan Chase:** Earned top award in a cohort of 200+ by driving test coverage to 90%+, resulting in a 45% reduction in critical security bugs.