

Teja Kavikondala

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EDUCATION

Master of Science in Computer Science | University of Illinois at Chicago, IL. | GPA 3.9/4

May 2025

Coursework: Algorithms, Database Systems, Computer Vision, UX Research, Computer System Security, ML on Graphs, NLP, Software Engineering.

Bachelor of Technology Electronics and Communication Engineering | JNTU, India

2020

TECHNICAL SKILLS

Programming languages: Python, Java, Go, JavaScript, C#, SQL.

Frameworks & Technologies: React, TypeScript, Angular, Redux, webpack, MUI, SCSS, jQuery, HTML, CSS, Spring MVC, Spring JPA/Hibernate, Spring Security, Spring Cloud Stream, JUnit, Log4j, Kafka, RabbitMQ, Node.js, Express.js, Django, Flask, .Net, Nginx, Gradle, Numpy, Pandas, Matplotlib, TensorFlow, SpaCy, Hugging Transformers, NLTK, OpenCV, PyTorch, Scikit-Learn, NetworkX.

Databases: MySQL, PostgreSQL, MongoDB, Redis.

CI/CD & Monitoring Tools: Git, Linux, Docker, Jenkins, Maven, Kubernetes, GitHub Actions, Prometheus, Grafana.

Cloud Infrastructure: AWS (EC2, ECR, RDS, S3, EKS, CloudWatch), GCP, Azure, Terraform.

PROFESSIONAL EXPERIENCE

Software Engineer | [LendingClub, CA, United States](#)

May 2025 – Present

- Created custom, accessible **Material-UI** components that manage complex state using **React Hooks**, which provided a seamless user experience.
- Enhanced monolithic RESTful services into modular **Spring MVC** components, improving system maintainability and scalability.
- Implemented a Redis caching layer using **Springboot**, reducing read latency by 70% for customer account lookups.
- Containerized applications with **Docker** and orchestrated workloads on **Amazon EKS**, achieving deployment time from 1 hour to 10 minutes.

Full Stack Developer | [UIC, Chicago, United States](#)

Nov 2023 – May 2025

- Developed responsive website with **React.js** and designed **RESTful APIs** with **.NET** to manage workflows and enhance user engagement by 25%.
- Processed records of over 5,000 students using **Python** for automated data validation and transformation, boosting data accuracy by 30%.
- Configured **CI/CD** pipelines in **Azure DevOps**, reducing deployment time by 50% through automated build, testing, and release workflows.
- Collaborated with faculty and student teams, performing code reviews and debugging to ensure maintainable, high-quality solutions.

Software Engineer Intern | [Apoorva Corporation, Colorado, United States](#)

May 2024 – Aug 2024

- Increased **SaaS** application responsiveness by 25% by leveraging **React's Virtual DOM** and **Redux**-based state management system.
- Engineered high-performance **Django** RESTful APIs, to handle concurrent requests and reduced data processing time by 45%.
- Secured SaaS APIs with Single Sign-On (SSO) solution using **OAuth 2.0** within Django REST Framework.
- Provisioned scalable and reliable cloud infrastructure using **Terraform** for IaC deployments, reducing deployment time by 60%.

Software Engineer | [Demy Software Solutions, India](#)

Aug 2022 – Jul 2023

- Incorporated lazy loading components using **React.js & JavaScript (ES6+)** reducing initial page load time from 4s to 1s.
- Developed a robust server-side payment gateway using **Node.js/Express.js**, securely process 2000+ credit card transactions monthly.
- Implemented a flexible **NoSQL** database schema in **MongoDB** to store diverse product and user information, improving data retrieval by 30%.
- Containerized and Deployed applications on **AWS EC2** using **Docker** and **S3** bucket to serve static React files achieving 99.9% uptime.
- Actively participated in peer code reviews providing constructive feedback and suggestions improving overall code quality.

Software Engineer | [Cognizant Technology Solutions, India](#)

Nov 2020 – Aug 2022

- Developed SPAs using **Angular-RxJS & Observables**, **Typescript** and **WebPack** for real-time account and transaction updates.
- Built scalable microservices using **Java 17**, **Spring Boot**, **JPA/Hibernate**, handling 500K+ transactions/day with sub-100ms response latency.
- Implemented asynchronous event driven workflows using **Apache Kafka & Spring Cloud Stream**, reducing queue backlog by 40%.
- Deployed real-time API monitoring and alerting with **Prometheus**, **Grafana**, and **AWS CloudWatch** enabling proactive failure response.
- Integrated build validations and rollback strategies to **CI/CD** pipelines with **Jenkins** and **Maven**, reducing release cycle time by 50%.
- Collaborated with cross-functional teams to enhance Agile execution and tracking using **JIRA**.

Software Engineer Intern | [Cognizant Technology Solutions, India](#)

Jan 2020 – May 2020

- Devised automation scripts using **BDD (Cucumber)** and **TDD (Selenium, Java)** to validate banking workflows reaching 80% code coverage.
- Secured sensitive online banking endpoints by integrating **JWT authentication** and **Spring Security** with **RESTful APIs**.
- Worked with cross-functional teams to understand the **Scrum/Agile** methodology, showcasing collaboration & communication skills.

PROJECTS

[SpringNova](#) | **Spring Boot**, **Spring Cloud** (Eureka, Gateway, Config Server, OpenFeign), **Java 17**, **Gradle**, **OpenAPI/Swagger**, **WebClient**

A Distributed System that demonstrates service discovery, centralized configuration, and API routing. It includes multiple microservices for user and department management, interconnected through a service registry and API gateway, showcasing seamless inter-service communication and scalability.

[Distributed Cache Layer](#) | **Go**, **Redis**, **gRPC**, **Consistent Hashing**, **Docker**, **Prometheus**

Built scalable caching proxy using consistent hashing in Go with persistent gRPC connections, cache invalidation and TTL. Included comprehensive load testing that shows the system's ability to handle concurrent workloads at scale

[Real-Time Notification System](#) | **Reactjs**, **Nodejs**, **PostgreSQL**, **Redis**, **RabbitMQ**, **Docker**, **Azure**.

Deployed a highly scalable, real-time notification system using React.js, WebSockets, Redis, RabbitMQ pub-sub and Azure for efficient session delivery.

[iCardio](#) | **R**, **ATLAS.ti**, **ANOVA**, **Thematic Analysis**.

A mixed-methods UX study evaluating Apple Watch's influence on cardio fitness. Combined statistical modeling in R and thematic analysis in ATLAS.ti to reveal 5 core behavioral insights, for future design improvements for health engagement features.

[Controlled Data Augmentation](#) | **LLaMA-7B**, **HuggingFaceTransformers**, **PyTorch**, **spaCy**, **Sentence-Transformers**, **GCP**.

Developed a CDA framework using LLaMA-7B to improve dataset richness and model generalization in low-resource NLP settings. Achieved a 17% accuracy boost and reduced perplexity and deployed the model on GCP platform.

[Hierarchical Attention for Dynamic Graph Learning](#) | **Transformers**, **GNNs**, **PyTorch**, **NumPy**, **NetworkX**, **Scikit-learn**.

Advanced dynamic GNNs by integrating hierarchical attention and adaptive temporal smoothing into transformer-based architectures. Enabled scalable modeling of time-evolving networks, achieving state-of-the-art results on multiple benchmarks with up to 1.5% performance gains.