

Kiran Hegde

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Education

University of Texas at Dallas

Master of Science, Computer Science

Aug 2024 - May 2026

GPA: 4.0

- **Coursework:** Advanced Algorithms, Web Development and DB Design.

Jain University, Bengaluru, KA, India

Bachelor of Technology, Computer Science, and Engineering

Aug 2017 - Jun 2021

GPA: 3.8

Experience

Protium Finance Limited, Bengaluru, KA, India

Apr 2023 – Jun 2024

Senior Software Engineer / API Marketplace Lead

- Architected 5+ banking modules (Account Aggregator, UPI) using Spring Boot. Achieved 40% faster response times and ₹1B + loan payments for Samsung Finance partners.
- Reduce critical bugs by 30% through 100+ code reviews; Reduce development cycles by 25% through CI/CD pipeline automation (JIRA and Gitlab integration for SDLC verification) and SOP implementation.
- Mentored 3-engineer team to 50% efficiency gain through task prioritization frameworks and technical training in microservice design patterns.
- Deployed monitoring for 20+ APIs, reducing latency to <100ms P99 during peak loads.

Protium Finance Limited, Bengaluru, KA, India

Jul 2021 – Apr 2023

Software Engineer

- Implemented and Optimized 20+ Spring Boot services, reducing API latency by 70% (avg. 9ms per query) via connection pooling and caching strategies.
- Built IaC pipelines with AWS CDK/Terraform, achieving 60% faster deployments through incorporation of JIB/MVND into the CI/CD deployment pipeline, integration and parallelized testing.
- Designed autoscaling solutions for UPI transaction systems handling 500+ TPS, maintaining 99.95% uptime during Diwali sales peaks.

Skills

Java, Python, Go, Spring Boot, FastAPI, Postgres, Amazon Web Services (AWS), Terraform, CDK, GitLab (CI/CD), Docker, JIRA, OpsGenie, Confluence, Microsoft Office Suite, Team Management, Time Management, Adaptability, Quick Learner.

Projects

Custom Database Engine, The University of Texas at Dallas

Nov 2024 - Dec 2024

- Developed a basic database engine inspired by SQLite, supporting DDL, DML, and DQL operations like CREATE, SELECT, INSERT, DELETE, DROP, and TRUNCATE, with a focus on efficient retrieval and storage.
- The project received a Grade A.

Photo Web App, The University of Texas at Dallas

Oct 2024 - Dec 2024

- Developed a Star Wars-themed photo-sharing web application, inspired by Instagram, using the MERN stack.
- Showcased advanced photo categorization and sharing, implemented user authentication and photo management for seamless registration, login, and personalized galleries.

Achievements

- Ranked 4th out of 120 students at the time of graduation, Mar - 2022.
- Received letter of appreciation for academic excellence, Aug - 2019.

Languages

English TOEFL IBT Grade 106 (L 27, R 25, W 28, S 26); CEFR Level C1, Kannada, Hindi.