

# Suhas Reddy B R

Boston, MA

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## Education

### Northeastern University

Master of Science, Computer Software Engineering

GPA: 3.8

Coursework: Data Structures, Database Management Systems, Cloud Computing, Software Development

Expected May 2026

Boston, MA

### REVA University

Bachelor of Technology, Computer Science & Engineering

GPA: 3.6

Coursework: Data Structures & Algorithms, Object-Oriented Programming (OOP)

Aug 2023

Bangalore, India

## Technical Skills

**Programming Languages:** C++, Java, R, Python, Typescript, SQL, C, HTML5, CSS, JavaScript, JSON, Linux

**Frontend Tools:** ReactJS, Next.js, AngularJS, Material-UI, Bootstrap, Tailwind CSS

**Backend Tools:** Node.js, Flask, Django, FastAPI, Rest APIs, MySQL, PostgreSQL, MongoDB, Kafka

**DevOps Tools:** Git, GitLab, Docker, Kubernetes, Terraform, Ansible, AWS, Azure, Google Cloud Platform, JIRA **ML/AI Tools:** LLMs, RAG, PyTorch, LangChain, LlamaIndex, ChromaDB

## Work Experience

### Elanco

Software Engineer

Oct 2023 - Jul 2024

Bangalore, India

- Engineered **full stack** enterprise SaaS applications with the FERN stack (**Firestore, Express, React, Node.js**), with a **microservices architecture** ensuring seamless integration between **front-end** and **back-end** for optimal performance
- Developed front-end features using React, improving **UI responsiveness** and creating a smooth user experience while building back-end services with Express and Node.js, handling API logic and server-side operations
- Automated infrastructure monitoring using **Ansible** and **Shell scripting**, streamlining backend processes and reducing downtime by 15%
- Implemented **CI/CD pipelines** using GitHub Actions and Docker, automating builds, testing, and deployments while integrating version control with Git for efficient collaboration and reliable software releases

### Bosch Global Software Technologies

Project Trainee

Jan 2023 - May 2023

Bangalore, India

- Developed a **scalable** website using React and TypeScript, incorporating activity tracking and reward systems to improve multi-device engagement by 40%
- Optimized **RESTful APIs** with Python FastAPI, implementing **asynchronous processing** to accelerate response times by 30% and boost system throughput
- Improved Azure SQL database performance with indexing, caching, and **query optimizations**, reducing data retrieval times by 25%

## Academic Projects

**CodeReviewer.AI** | Llama-Index, Groq, Github Actions, RESTAPI

Jan 2025

- Engineered an AI-powered pull request review bot using Llama-3.3-70b model, automating feedback on code quality and optimizations
- Integrated GitHub API for dynamic analysis of code diffs and automated workflow execution via GitHub Actions, streamlining review efficiency
- Designed security-focused prompts to detect vulnerabilities, such as unvalidated inputs, API abuse risks, and improper error handling, ensuring better code integrity

**Scalable Infrastructure Deployment using Terraform & Kubernetes** | HCL, YAML, Terraform, GCP

Dec 2024

- Automated cloud infrastructure provisioning with Terraform, streamlining resource management
- Deployed microservices on Kubernetes (AWS EKS) to enhance system scalability and reliability
- Implemented CI/CD pipelines using GitHub Actions, improving DevOps efficiency and reducing deployment errors
- Developed self-serve Kafka cluster deployment using Docker and Kubernetes with auto scale-up capability

**Residential Management System** | Java, MySQL, MVC, Swing, OOP

Nov 2024

- Developed a Java-based system for managing tenants, leases, and rent payments with role-based access control
- Implemented role-based access control (RBAC) for landlords, tenants, and administrators to enhance security
- Designed an intuitive JavaFX/Swing UI, automating rent tracking and invoice generation