

# Raghavendra Kulkarni

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## EDUCATION

### Northeastern University

Master of Science in Computer Science (GPA: 3.75)

Coursework: Algorithms, Programming Design Paradigm, Cloud Computing, Database Management Systems, Web Development

Boston, MA

August 2024 – Expected May 2026

### Visvesvaraya Technological University

Bachelor of Engineering in Information Science and Engineering

Coursework: Data Structures, Web Development, Cloud Computing, Object-Oriented Design, Machine Learning, Operating Systems, Linux

Bengaluru, India

August 2018 – July 2022

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, Java, TypeScript, SQL, HTML5, CSS3

**Frontend & Backend:** React, Angular, Node.js, Express, Spring Boot, Flask, RESTful APIs

**Databases & Storage:** PostgreSQL, MongoDB, MySQL

**Cloud & DevOps:** AWS EC2, Docker, Kubernetes, Jenkins, GitHub Actions

**Development Tools:** Git, Postman, Jira, Grafana, JUnit, Jest, VS Code, IntelliJ

## PROFESSIONAL EXPERIENCE

### Cognizant Technology Solutions (Client: SAP Labs)

Full-Stack Developer

Bengaluru, India

October 2022 – August 2024

- Developed **React** based frontend components for SAP's Service Provider Cockpit serving over **500 enterprise customers**, creating intuitive interfaces for complex infrastructure management workflows.
- Built **Python automation scripts** for end-to-end infrastructure lifecycle management across **multicloud environments** like AWS, HANA Enterprise Cloud, Azure, automating server provisioning, database upgrades, and tenant management to save SAP consultants approximately 40 hours per landscape deployment.
- Collaborated with cross-functional teams in **Agile** sprints to integrate **Docker, Kubernetes, and Jenkins CI/CD**, enabling 5x more concurrent customer deployments and reducing release time by **40%**.
- Implemented **Grafana monitoring** and comprehensive validation testing across automation workflows, reducing provisioning errors by **45%** and ensuring reliability for multiple SAP modules.

Full-Stack Developer Intern

April 2022 – September 2022

- Contributed to OneCognizant portal migration from **.NET** to **Java and Angular** stack, rebuilding 5 core components and reducing average page load time from **3.9s** to **2.1s** for over 300K users.
- Collaborated with database team to optimize more than 20 slow-running queries during migration, adding targeted **indexes** that eliminated timeout errors affecting approximately **20%** of daily user sessions.

### ACE Ventures

Tech Lead and Developer

Bengaluru, India

April 2020 – January 2022

- Led a team of 5 developers at an early-stage startup to design and build a sustainable fashion e-commerce platform using **React, Flask, and PostgreSQL**, integrating **Juspay** payment gateway, user authentication, inventory, and order processing systems.
- Deployed and maintained the application on **AWS EC2** with automated scaling, supporting 1000+ active users and handling peak traffic efficiently while maintaining **99% uptime**.

## PROJECTS

PlanVoyage | *React, Node.js, PostgreSQL, AWS, Docker* | [GitHub](#)

January 2025 – April 2025

- Built a SaaS trip planning application with **React, Node.js**, and **Prisma/PostgreSQL**, featuring itinerary management, collaborative planning, and **JWT authentication** across 6 user modules.
- Integrated **Geoapify API** for **3M+** location suggestions and deployed via **Docker/AWS EC2** with **GitHub Actions** CI/CD, implementing role-based access control and automated scaling.

Advanced Image Processing Engine | *Java 11, MVC, Design Patterns* | [GitHub](#)

October 2024 – December 2024

- Engineered a modular image processing tool in **Java** using **MVC** architecture, **Command and Adapter** design patterns, supporting **10** real-time filters via both command line and graphical user interfaces.
- Implemented custom image processing algorithms to apply pixel-level filters, achieving efficient processing and comprehensive error handling, with **95%** test coverage using **JUnit** and **Mockito**.

Food Bridge | *Angular, Flask, MySQL, REST APIs* | [GitHub](#)

October 2024 – December 2024

- Developed full-stack donation management platform using **Angular, Flask**, and **MySQL**, connecting food donors with recipients through intelligent matching algorithms and real-time inventory tracking.
- Designed normalized database schema with **stored procedures** and **triggers** for data integrity, implemented secure **RESTful APIs** with role-based authentication, and built automated notification system for donation status updates.