

# PRAVEENDHRA RAJKUMAR

+1(857) 391-4257 ◇ Boston, MA

[p.rajkumar001@umb.edu](mailto:p.rajkumar001@umb.edu) ◇ [linkedin.com/in/praveendhra](https://linkedin.com/in/praveendhra) ◇ [prvn9021.github.io/Portfolio/](https://prvn9021.github.io/Portfolio/)

## EXPERIENCE

### DevOps Intern - Platform Team Bright Horizons

June 2024 - now  
Newton, MA

- Separated two distinct applications from a monolithic repository, resulting in a 20% reduction in code complexity and improving project maintainability.
- Developed and implemented CI/CD pipelines to publish applications via Firebase App Distribution, reducing deployment time by 30% and enhancing release efficiency.
- Refactored shared libraries into a separate artifact repository, reducing code redundancy by 40% and improving development scalability across multiple applications.
- Actively manage releases and coordinate deployment activities.

### Teaching Assistant - Computer Architecture and Organization University of Massachusetts - Boston

Aug 2022 - May 2024  
Boston, MA

- Collaborated with students on course materials and lecture slides to enhance learning experiences.
- Led engaging Arduino lab sessions, provided thorough feedback on assignments, and ensured fair grading.
- Offered one-on-one support during office hours and maintained effective communication with students.

### Member Technical Staff - Disaster Recovery Zoho Corporation

Dec 2019 - Aug 2022  
Chennai, TN

- Achieved 30% traffic boost by improving NGINX's reverse proxy module using headers.
- Developed a service to identify and resolve configuration mismatches between Main and Disaster Recovery sites.
- Automated the switching flow with Java, Python and Bash, minimizing manual intervention and reducing downtime by 90%.
- Created an interactive API documentation web-app with Swagger, improving access and reducing issue resolution time by 20%.

### Software Engineering Intern - Disaster Recovery Zoho Corporation

May 2019 - Jun 2019  
Chennai, TN

- Developed a web application for capturing and retrieving data from a database.
- Actively participated in daily standup meetings, contributing insights and collaborating with the team.
- Gained exposure to real-world software development practices and enhanced collaboration and communication skills.

## SKILLS

Programming Languages	Java, Python, JS, C/C++, C#, Lua, TypeScript, Dart
Web Development	HTML, CSS, API, React, Bootstrap, Flask, Django, Node.js, jQuery, MVC
Database	MySQL, Postgres, MongoDB, Oracle, Redis
Cloud	GCP, AWS, Azure, ZCP
Container	Docker, Kubernetes
Web Servers and Hosting	Nginx, Tomcat, Apache
Tools & platforms	Git, Mercurial, Postman, Figma, Jupyter, Wireshark, Terraform, YAML
Frameworks	Flask, Struts, Django, Bootstrap, React, .NET, Flutter
Operating Systems & Shell	Linux, Windows, Bash, Shell Scripting
IoT & Robotics	Arduino, RaspberryPi, IOT, Zigbee, NXT, Robotics
Testing & Quality Assurance	JUnit, Selenium

## PROJECTS

### Task Tracker - [https://prvn9021.github.io/task\\_tracker\\_live/](https://prvn9021.github.io/task_tracker_live/) Developer

Personal

- Developed a cross-platform task tracking app using Flutter and Firebase Realtime Database for efficient task management, featuring real-time data synchronization across devices.
- Designed and implemented a user-friendly interface for creating, editing, and managing tasks with multi-step tracking and status toggles.
- Optimized app structure for scalability and ease of use, utilizing modal-based task views to streamline task navigation and interaction.

### An Intelligent System to Effectively Predict Heart Disease — Curriculum Project -<https://tinyurl.com/aistphd> Developer & Presenter

SJCE

- Developed a Python application utilizing Machine Learning algorithms to assess an individual's susceptibility to heart disease.
- Implemented techniques like Feature Extraction and utilized the Random Forest Classifier method, achieving a 96
- Enhanced diagnostic efficacy, leading to significant time and resource savings in the prediction process.

### Meeting App - Streamlined Church Management System - [https://github.com/SruthiDamera23/Meeting\\_app\\_OCR](https://github.com/SruthiDamera23/Meeting_app_OCR) Developer & Presenter

UMB

- Created a user-friendly web application that helps churches easily manage meetings and assign tasks.
- Built features for user hierarchy management, user management, subscription modelling, and integrating payments to simplify church operations.
- Improved church administration by providing an all-in-one tool for managing activities and enhancing communication within the church.

### Automatic Number Plate Recognition (ANPR) and Parking Slots Management for a Restaurant Assistant Developer

- Proficient in crafting and deploying intelligent parking solutions, utilizing specialized knowledge in Automatic Number Plate Recognition (ANPR) technology.
- Designed and implemented an ANPR-driven Smart Parking System tailored for a restaurant, maximizing the efficient use of parking spaces.
- Augmented security measures by ensuring ANPR precision and seamless integration with entry/exit barriers.

## EDUCATION

### MS, Computer Science University of Massachusetts, Boston

May, 2024  
CGPA - 3.33

### BE, Computer Science St. Joseph's College of Engineering, Chennai

May 2020  
CGPA - 3.14