

# Rajashekhar V Naduvinahalli

raju.naduvinahalli@gmail.com — +91 93805 11324

 Rajashekharvn —  LinkedIn —  Portfolio Website

## Education

---

**B.E. in Computer Science & Engineering**, SKSVMACET, VTU Belagavi 2021–2025

Percentage: 77.6%

**P.U.C.**, Govt. PU College, Shalavadi 2019–2021

Percentage: 75.83%

**SSLC**, Shri Gurushanteshwar KP High School, Shalavadi 2019

Percentage: 78.72%

## Skills

---

- Full Stack Full-stack web development using **Java**, **Spring Boot**, and **Hibernate** frameworks.
- **Database design**, **information security**, and **API access control**.
- **Data structures and algorithms** for optimization and efficiency.

## Research / Academic Projects

---

- **Accident Detection and Vehicle Communication System** Developed a real-time Accident Detection and Vehicle Communication System integrating accelerometer, **gyroscope**, **GPS**, and GSM modules to automatically detect accidents and alert emergency services. The project utilized **C++**, **Python**, **Arduino (ESP32)**, **Firebase**, and **Flutter** to build an IoT-based prototype capable of real-time monitoring and mobile app notifications. Implemented sensor fusion with Kalman filtering to reduce false positives and designed a cloud-connected dashboard for live tracking and emergency alerts. Achieved 93% detection accuracy with an average response time of 2.5 seconds, significantly improving road safety response and showcasing strong skills in mobile cloud synchronization.
- **Secured Data Hub Collaboration (Hackathon Project)** Designed a secure collaborative platform to enable safe data sharing across institutions. Implemented **strong authentication**, **encryption algorithms**, and **admin dashboards** to ensure data integrity and access control. created using **Java**, **HTML5**, **CSS**, and **MySQL**. The project received **recognition at a national-level hackathon** and helped enhance problem-solving skills and security-focused design thinking.
- **Online Event Management System** Built a **Django-based platform** for managing in-situational events, featuring **participant registration**, **notifications**, and **feedback forms**. built using **Python**, **Django**, **Bootstrap**, and **SQLite**. Successfully tested with mock events, gaining practical experience in **MVC frameworks** and **REST API integration**.
- **Centralized Certificate Management System** Deployed a platform for **faculty and students** to upload and verify **FDP/SDP certificates** in a structured database. Implemented using **PHP**, **HTML**, and **MySQL**. Reduced manual verification work by **60%** and enhanced skills in **database normalization** and **reporting**.

## Internships / Training

---

- **Rooman Technologies Internship (2025)** Worked on cloud-based applications, focusing on distributed deployment and fault-tolerant systems.  
**IBM Career Education Program — April 2025**  
**Certification:** Scalable Web Hosting Using Auto-Scaling & Load Balancing on IBM Cloud  
**Key Takeaways:** Gained hands-on experience with IBM Cloud services, container orchestration, and server performance tuning.
- **AMBA Software, Hubli — Python Full Stack (Django) Internship (2024)** Implemented **authentication modules**, **database-driven dashboards**, and **API endpoints**. Gained hands-on experience with **Django ORM**, **API integration**, and **secure login systems**.
- **SKSVMACET (Intra-institutional Internship, 2023)** Gained experience in **collaborative coding** and **software testing**. Key takeaways included **documentation**, **teamwork**, **debugging practices**, and understanding the **project lifecycle**.

## Achievements & Awards

---

- **Student Ambassador (SKSVMACET):** Served as the first student ambassador, representing peers in technical forums and mentoring juniors.
- **State-Level Chess Competition (2nd Place):** Demonstrated strategic thinking and decision-making under competitive pressure.
- **Mini-Project Exhibition (3rd Place):** Recognized for **innovative design** and effective teamwork in the Department of CSE.
- **Workshop Organizer:** Conducted a 2-day **Java workshop** for peers, introducing **OOP concepts** and **JDBC**.
- **Documentation Coordinator:** technical documentation efforts in **Fortune Association**, improving clarity and standardization.
- **Hackathon Recognition:** Awarded for secure web app design ideas at a **national-level hackathon**.

## Academic Service & Leadership

---

- Organized **technical fests**, **coding contests**, and **seminars** at SKSVMACET.
- Mentored juniors in **Java**, **Python**, and **project development**.
- Coordinated **inter-college technical events** as part of **Fortune Association**.
- Prepared **project reports** and **technical documentation**, ensuring clarity and standardization.

## Strengths & Hobbies

---

- **Strengths:** disciplined self-learner, effective time management, strong communication, and leadership abilities.
- **Hobbies:** - Chess (state-level player, enhanced strategic thinking and problem-solving, Table Tennis (develops teamwork and focus), Exploring open-source projects (supports continuous learning and technical skill development).

**Declaration**

---

I hereby declare that the above information is true to the best of my knowledge.

**Rajashekhar V Naduvinahalli**