



# SUDHIN SURESH

SOFTWARE DEVELOPER

## PROFESSIONAL SUMMARY

Enthusiastic Full Stack Developer Trainee with a strong foundation in front-end, back-end, and database management. Skilled in Python, JavaScript, PHP, and modern frameworks, with experience in API development, debugging, and performance optimization. Passionate about building scalable and user-friendly applications, with a keen interest in emerging technologies. Committed to continuous learning and innovation to develop cutting-edge solutions.

## WORK EXPERIENCES

### FULL STACK DEVELOPMENT TRAINEE (FEB 2024 – NOV 2024) CODE LAB SYSTEM, MANGALORE, KARNATAKA, INDIA

#### FRONT-END DEVELOPMENT :

- Designed and developed interactive user interfaces using HTML, CSS, and JavaScript
- Built responsive and mobile-friendly web applications
- Implemented front-end frameworks such as React.js, Angular, and Vue.js
- Ensured cross-browser compatibility and performance optimization

#### BACK-END DEVELOPMENT :

- Developed server-side logic using Java, Python, and Node.js
- Created RESTful APIs and microservices for seamless data exchange
- Utilized back-end frameworks such as Express.js, Django, and Spring Boot
- Ensured efficient and secure authentication & authorization mechanisms

#### DATABASE MANAGEMENT :

- Designed and implemented relational database schemas (MySQL, PostgreSQL)
- Developed optimized SQL queries and ensured data integrity & consistency
- Implemented database caching & optimization techniques for better performance
- Troubleshoot and debugged database-related issues

#### TESTING & DEBUGGING :

- Wrote unit and integration tests using Jest, Pytest, and other testing frameworks
- Debugged and optimized code using Chrome DevTools and Node.js Inspector
- Ensured high code quality through continuous testing and debugging

## PROJECTS

### PROJECT – GESTURE CONTROL FOR POWERPOINT PRESENTATIONS ENVIRONMENT: PYTHON

- Developed a gesture-controlled system for PowerPoint slideshow navigation.
- Eliminated reliance on keyboards or remote gadgets, enhancing presentation engagement.
- Implemented Machine Learning techniques for precise gesture recognition.
- Utilized OpenCV and MediaPipe for real-time hand tracking.
- Mapped gestures to PowerPoint functions (next, previous, pause, resume).
- Improved Human-Computer Interaction (HCI) with touchless controls.

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## EDUCATION

### • BE (2019-2023)

VTU University ; Srinivas Institute of Technology, Mangalore, Karnataka, India

### • JAVA FULL STACK DEVELOPMENT TRAINING (2023-2024)

Jspiders, Bangalore, Karnataka, India

## TECHNICAL SKILLS

- Programming Languages: Java, C, C++
- RDBMS: Oracle SQL, MySQL, PostgreSQL
- Persistence Technology: JDBC, Hibernate with JPA
- Web Technologies: HTML, CSS, JavaScript, TypeScript
- Application Frameworks: Spring, Spring Boot
- Front-End Frameworks: React.js, Angular, Vue.js
- Back-End Development: Node.js, Express.js
- API Development: RESTful APIs, Microservices
- Version Control: Git, GitHub, GitLab
- Testing & Debugging: JUnit, Jest, Pytest, Postman

**SOFT SKILLS**

- Problem-Solving
- Team Collaboration
- Communication Skills
- Adaptability
- Time Management
- Attention to Detail
- Critical Thinking

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**LANGUAGES KNOWN**

- English
- Malayalam
- Kannada
- Hindi
- Tamil

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**PERSONAL DETAILS**

- Date of Birth : 07 - 08 - 1999
  - Marital Status: Single
  - Nationality: Indian
  - Visa Status: Residents Visa
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**PROJECT – CAR RENTAL SYSTEM**

**ENVIRONMENT: PHP**

- Designed a dynamic and responsive car rental system.
- Developed the front end using HTML, CSS, JavaScript, and PHP frameworks.
- Implemented real-time vehicle search, booking, and pricing calculations.
- Integrated MySQL database for managing vehicle availability and reservations.
- Optimized performance with caching, query optimization, and load balancing.
- Enhanced security with user authentication, session management, and data encryption.

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**CERTIFICATION**

- Completed certification on JAVA (Hacker Rank).
- Completed certification on SQL Advanced (Hacker Rank).
- Completed certification on Azure Fundamentals (Microsoft).
- Completed certification on Application Development Course.
- Completed certification on Data Science.
- Completed certification on AI Web App using Python and Flask.
- Completed certification on develop and deploy Java apps using GitHub Actions or Azure Pipelines.
- Describe monitoring tools in Azure.
- Completed certification on Microsoft Azure Fundamentals: Describe Azure management and governance.
- Completed certification on Google Security Operation – Fundamentals.