

HALASWAMY G

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Summary

Dynamic Computer Science graduate skilled in **Python, Java, and C**, with expertise in web technologies like **HTML5, CSS3, JavaScript** and **React**. Experienced in backend development using **Node.js** and proficient in managing databases including **MySQL, MongoDB, and Oracle**. Strong background in **cloud computing**, project management with **Jira, Agile, Scrum** and adept at digital marketing and cybersecurity basics. Knowledgeable about **Industry 4.0** technologies and trends, poised to contribute to innovative tech solutions in a collaborative IT environment.

Education

Graduation

Course: B.E. in Computer Science

College: Jain Institute of Technology

Year of Passing: 2024

Grade: 7.2/10

Experience

Professional Experience:

TCS iON, IT Manager (Freelance)

Apr 2023 to June 2024

- Managed IT infrastructure for online exam operations.
- Managed and maintained servers to ensure uptime and reliability.
- Implemented backup and recovery procedures to safeguard data integrity.
- Monitored server health and performance metrics; resolved issues promptly.

AI Intern, Codsoft

Mar 2024 to Apr 2024

- Conducted various projects including text extraction from PDFs and JPEGs using **OpenAI**.
- Developed a tic-tac-toe game.
- Created a chatbot during the internship.

Intern, Nexgate Pioneer Solutions Pvt.Ltd

Sep 2023 to Oct 2023

- Designed and Developed an **Android application** for a startup providing drone services to local farmers.
- Collaborated in a team of 4 to develop onboarding interfaces for customer and stakeholder interaction.
- Utilized **Android Studio, JIRA**, and **Firebase** for product development and database maintenance.

Projects

1) Cooperative Cache Design and Implementation in Wireless P2P Networks

- Implemented a cooperative caching mechanism in **Java** to optimize data access efficiency in **wireless P2P networks**.
- Focused on reducing data processing delay and enhancing bandwidth utilization through **asymmetric data transfer** techniques.
- Utilized **JDK, IDE** (e.g., Eclipse), networking libraries, and version control for software development.

2) Gesture Controlled Video Game

- Integrated **computer vision** and **gaming** for gesture control.
- Recognized **finger movements** for gameplay
- Implemented **Artificial Intelligence & Machine Learning** for accurate recognition in projects.

3) EEG analytical model to estimate learner's understanding level (R & D)

- Innovative Educational Approach** Developed a pioneering method utilizing **Machine Learning** and **EEG data** to assess learners' comprehension and engagement.
- Advanced Analytical Techniques** Classifiers such as **RF, KNN, SVM** and Design of **feature extraction** model by considering datasets

4) Candidate Application Form Web Application using MERN Stack

- This project developed using the following technologies:
- Frontend: React JS (version 18), React Bootstrap, CSS3
- Backend: Node.js with Express.js,
- MongoDB for the database • API Integration: Axios • Testing: Postman

Technical Skills

- **Web Technologies:** HTML 5, CSS 3, JavaScript, React
- **Backend Development:** Node.js and Express.js
- **Database Management:** MySQL, MongoDB, Oracle
- **Programming:** Strong in **Python** and proficient in **Java** and **C**.
- **Cloud Computing:** Knowledgeable in cloud platforms and services.
- **Project Management Tools:** Experienced with **Jira** and **Agile, Scrum** methodologies.
- **Industry 4.0:** Understanding of the latest industrial revolution technologies and trends.
- **Graphic Design & Video Editing:** Adobe Premiere Pro, After Effects, Photoshop.
- **Operating System:** Windows, MAC & Linux distributions such as Ubuntu & Fedora
- Additional Basic Skill: **Digital Marketing, Cybersecurity**

Certifications

- **Junior Software Developer (DITHDA)** (3 – Months) in Skill India
- **Python for Data Science** SWAYAM-NPTEL
- **MERN Stack and DSA** (6-month course) in Cuvette
- **Python in** Sirintel Technologies Pvt.Ltd
- **Become A certified Web Developer From Scratch** in Upskill with Eduonix
- **Foundations of Digital Marketing and E-commerce** by Google, offered by Coursera.

Leadership and Achievements

- Secured **KSCST** sponsorship for our project.
- **P-Expo** winners.
- I have a track record of leadership as a **Cultural and Forum Coordinator**, steering initiatives that fostered collaboration and innovation.
- I have achieved recognition by qualifying for the **Top 75 teams in Manthan FKCCI**
- Secured **3rd Place** at the **State-Level Project Exhibition**
- Led teams to secure **1st place** in intercollege **Paper Presentation** and **Idea presentation contests**, earning **Awards**.

Hobbies

Film Making, Coding, Socializing, Editing, Tutoring, And Photography, Event Hosting, Volunteering To Teach Government School Students.

Soft Skills

Critical Thinking, Records Search, Leadership, Problem Solving, Verbal Communication, Responsiveness