

Rakesh R.

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Profile Summary

A Motivated and detail oriented Information Science graduate with strong fundamentals in software development, Java, SQL, and web technologies. Seeking an entry level Software Developer role to apply analytical and problem solving skills while contributing to high quality project delivery.

Academic details:

- BE in Information Science from Sapthagiri College of Engineering, Bengaluru with CGPA 7.18/10
- PUC from Narayana PU College, Bengaluru with 74%.
- SSLC from St Claret School, Bengaluru with 75.20%.

Skills:

Programming	Java, Python, JavaScript
Web Technologies	HTML5, CSS3
Databases	MySQL
Tools	VS Code, Terminal, Jupiter, MS Excel, MS Word, Jira, Selenium (Basics)
Concepts	OOPs, REST APIs, SDLC, Agile

Academic Projects:

Project 1: Entitled “Driver Drowsiness Detection and Alerting System”.

Description: This project was carried out as a major project during my undergraduate studies. The system is designed to detect driver drowsiness in real-time and alert the driver to prevent accidents. The project involves capturing facial images using a camera, analyzing eye-blink patterns, and computing drowsiness levels. Alerts are generated via sound and vibration when drowsiness is detected.

Technologies: This project was developed using Python for image processing and IoT for real-time driver monitoring and alerting.

Role: This project was completed by a team of 4 members, and my primary role was contributed to coding eye-blink and face-tracking modules while executing test cases to validate real-time performance.

Project 2: Entitled “Jarvis: A Virtual AI Assistant”.

Description: This project was carried-out at Sapthagiri College of Engineering, Bengaluru. The study focuses on developing a virtual AI assistant (Jarvis) capable of recognizing voice commands, performing automation tasks, and providing intelligent responses. The system is implemented using Python, leveraging libraries for speech recognition, natural language processing, and task automation.

Technologies: This project was developed using Python for voice-command recognition, automation, and intelligent response generation.

Role: This project was completed by a team of 4 members, and my primary role was Implemented logic for converting speech to actions and performed functional testing to verify correct execution

Project 3: Entitled “Workout and Diet Planner”.

Description: This project was carried-out at Sapthagiri College of Engineering, Bengaluru. The study focuses on developing a web-based application for planning workouts and diet schedules. The system is implemented using HTML, CSS, and JavaScript to create an interactive and user-friendly interface for tracking exercises, diet plans, and progress.

Technologies: This project was developed using HTML, CSS, and JavaScript to create an interactive web application for planning workouts and diet schedules.

Role: This project was completed by a team of 4 members, and my primary role was worked on user login/profile modules and tested authentication flow of reliability.

Internship:

Company: Rooman Technologies Pvt Limited, Bengaluru

Program: “Customer journey Analysis Using Clustering and Dimensionality Reduction Enhancing User Experience”

Project Description: we focus on selecting suitable algorithms, training the models using the processed data, and evaluating their performance. We aim to choose algorithms that are well-suited for clustering and dimensionality reduction to simplify and interpret complex user data.

Technologies: Used Python, Pandas, NumPy, Scikit-Learn, PCA, UMAP, K-Means, DBSCAN, Matplotlib, and Seaborn for data preprocessing, dimensionality reduction, clustering, and visualization.

Role: Played the role of a Data Analyst, handling data preprocessing, clustering, and customer behavior analysis.

Certificates:

- Full Stack Web Development – Tap Academy
- AI Machine Learning Engineer – Rooman Technologies Pvt Limited
- Life Skills (Jeevan Kaushal) 2.0 – Wadhwani Foundation
- Software Testing – The Digital Adda

Achievements:

- Actively participated in sports events, demonstrating teamwork, leadership, and discipline.
- Completed certified online courses in Web Development, Python, and Java to strengthen technical skills.
- Recognized by faculty for dedication and project performance.