# ADVI B V

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CAREER OBJECTIVE

Seeking opportunities to transform my career as a software engineer in IT/ITeS industry, by which I am looking to develop products for data driven business growth, utilizing my technical skills acquired through academic teaching career.

EXPERIENCE:-

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* 2+ years of experience in Software Developer for internal Website.
* Writing stored procedure , functions and triggers.
* Ensured database availability, reliability and security while in a production environment
* Schema creation and modification.
* Experienced in Performance Tuning, Query Optimization.
* Experience in Manual, Automation and Database testing.
* Involved in Developing and Maintenance of Database Objects.
* Very basic DBA activities
* Good analytical, problem-solving skills, verbal and written communication skills.
* Good in Mysql programming

PROFESSIONAL EXPERIENCE

Organization: **D S Dinakar Polytechnic**

* **Software Developer**

## **Experience:** May 2021 – Till Date

## **Teaching**

## **Experience:** 9+ years of extensive teaching experience in Computer Science.

CERTIFICATE

* Jan-2023 Python Udemy on Advanced Python Developer.
* Sep-2022 Five days National Level workshop on " DSP and Image Processing through Machine Learning.
* May-2022 AICTE Training and Learning (ATAL) Academy Online FDP on" Cyber Security".
* Jun-2021 One week Atal FDP on "Computational intelligence embedded sensors and network for 5G /6G wireless communication.
* Jan-2021 5 days online FDP on the theme “Inculcating Universal Human Values in Technical Education" Organized by AICTE.
* Jan/Feb-2020 NPTEL Online certification on Software Testing.

**PROJECTS**

**Project: Student Database Management System(June-2023 )**

**Technologies used: SQL, phpmyadmin**

**Programming language: SQL**

**Role: Software Developer**

* MySQL server is InnoDB which has commit, rollback, and crash-recovery capabilities to protect user data.
* An organized and systematic office solution is essential for all universities and organizations. There are many departments of administration for the maintenance of college information and student databases in any institution.
* All these departments provide various records regarding students. Most of these track records need to maintain information about the students. This information could be the general details like student name, address, performance, attendance etc. or specific information related to departments like collection of data.
* Our work is useful for easy user interface. We are planning to utilize the powerful database management, data retrieval and data manipulation. We will provides more ease for managing the data than manually maintaining in the documents. Our work is useful for saving valuable time and reduces the huge paper work.

**Project: End to End Web UI Test Automation of College Website using CodeceptJS Framework (Mar-2023 to May-2023)**

**Technologies used: CodeceptJS Framework using following helpers WebDriverIO, Playwright, Puppeteer, Appium**

**Programming language: JavaScript**

**Role: Project Lead**

* CodeceptJS is a modern end to end testing framework with a special behavior- driven development (BDD) style syntax for NodeJS. The tests are written as a linear scenario of the user’s action on a site.
* Test is written as a sequence of actions performed by an actor. We thought about the possibility of automatically testing selected sources for their correct operation by mapping the complete workflow of information retrieval such as
* Login as user
* Search for a specific term in the OPAC expecting to find a specific match
* Access to the full text at the provider

**Project: Automatic door opening system using PIR SENSOR (Jun-2022 to Dec-2022)**

**Technologies used: PIR SENSOR**

**Role: Project guide**

* Opening and closing of doors is always a tedious job, especially in place like shopping malls, hotels and theaters where a person is always required to open the door for visitors. Automatic opening and closing of door by sensing any body sensing any body movement near the door is achieved with the help of a PIR (passive infrared) sensor.
* A motion detector is device detects moving objects, particularly people. A motion detector is often integrated as a component of a system that automatically performs.

**Project: Efficient Seat Allocation Process in College Exam System (Jan-2018)**

**Technologies used: PHP, CSS, JavaScript**

**Algorithm used: LCG (Linear Congruential Generator)**

**Role: Project guide**

* An automated student seat arrangement allocation was developed using LCG algorithms that randomly assign and organize student seats for examination. The developed system enables each student to see their seat in the corresponding hall quickly.
* An automated student seat arrangement allocation was developed using LCG algorithms that randomly assign and organize student seats for examination.

**Project: E-Mandi (Jan-2017)**

**Technologies used: PHP, CSS, JavaScript**

**Role: Project guide**

* E-Mandis increase the pool of buyers for farmers' produce. Instead of dealing only with local traders in the farmers' mandi, a farmer can theoretically buy and sell with the entire country.
* E Mandi is a pan-India electronic trading portal which networks the existing APMC mandis to create a unified national market for agricultural commodities.

**Project: Three Level Password Authentication System (Jan- 2016)**

**Technologies used: text password, graphical password, image password**

**Algorithm used: SHA-1**

**Role: Project guide**

* The project is an authentication system that validates user for accessing the system only when they have input correct password.
* The project involves three levels of user authentication. It contains three login shaving three different kinds of password System.

**Project: Waste Management System (Jan- 2014)**

**Technologies used: IoT, AI**

**Role: Project guide**

* It is web application. To avoid the access of notice in the notice board we have developed E- Notice board to see the notifications by the students using this web application whenever and wherever they want.

**Project: Context Aware Mobile Service for ubiquitous home (June-2011)**

**Technologies used: JDK, Java Socket API, JDBC, GPRS enabled mobile, Bluetooth enabled with PC**

**Programming language: Java**

**Role: Software tester**

* In this project, context-aware based home services are described and developed for ubiquitous home, which consists of many sensors, digital appliances and a home server.
* The context-aware services provide residents with the intelligent services according to their situation, location, time and so on. For these services, information is collected by the sensors and is analyzed for the context by context-aware engine in a home server.
* Then services are performed by many kinds of digital appliances in a ubiquitous home. In this paper, we design and simulate the software architecture to provide the context-aware based mobile service.
* Using our scheme, our lives can be more convenient and comfortable in the future home.

### TECHNICAL SKILLS:

* SQL
* Codecept js Automation framework - Webdriver io,Playwright, Puppeteer
* Programming Languages -Python, C
* Python Programming - pandas, numpy
* Database Development –MySQL
* Cloud Essentials - AWS, Azure
* Selenium test automation
* Object Oriented Programming - Java, C++
* Network security
* System Architecture

STRENGTHS

* + Result oriented, highly energetic.
  + Believes in team work, self-motivated.

ACADEMICS

* + B E in Computer science ,SKSVMACET, Laxmeshwar, VTU University 2007-2011.

DECLARATION

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

ADVI BV