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Objective :

Seeking a responsible position in an organisation, which gives me a chance to improve knowledge, enhance my skills and enable me to strive towards the overall development of the organisation.

Educational Qualification :

Standard	**Institute**	**Board / University**	**Percentage**
BBM	School of management studies	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.	9.56 CGPA
HSC	PVM Chopda	Nashik	55.38%
SSC	PVM Chopda	Nashik	85.80%

Highlights:

- Experience in application development using C, C++, JAVA, Python.
- Design, develop and manage reliable, efficient, and reusable C++ code
- Designing, building and maintaining Java-based applications
- Sound knowledge of operating systems internals.
- Experience in Algorithm designing.
- Experience in writing Automation scripts using Python.
- Experience in Designing Machine Learning applications.
- Experienced use of modern source code control (Git).
- Experience in application development in C++,Java, Python using Procedural as well Object-Oriented manner.
- Proficient in Machine Learning skills for multiple types of applications.
- Experience in handling, analysing different types of data sets.
- Experience in Algorithm designing.
- Good analytical and problem-solving skills.
- Execute quality modules with better performance.

Technical Skills :

Programming Languages :

- Procedural language : C Programming.
- Object Oriented Programming : C++ Programming, Python
- Virtual Machine based Programming : Java Programming, Python

IDE & Tools: Visual studio Code, PyCharm;
Version Control: GIT
Database: MySQL
Operating System: Windows NT, Linux Distributions
Python Libraries: NumPy, SciPy, Scikit-Learn, TensorFlow, Pandas, OpenCV

PROJECTS:

Customised Virtual File System :
Technology : C Programming
Description :

- This project provides all functionality to the user which is same as Linux File system.
- It provides necessary commands, system calls implementations of file system through customised shell.
- In this project we implement all necessary data structures of file system like Incore Inode Table, File Table, UAREA, User File Descriptor table.
- Using this project, we can use every system level functionality of Linux operating system on any other operating system platform.
- We provide our own customised shell to interact with the customised database management system.

Generalised Data Structures Library :
Technology : C++ Programming
Description :

- This project is considered as a library which contains generic implementations of all major types of data structure.
- We provide the readymade implementations of all fundamental operations as well as advanced operations on linear, nonlinear data strutters in an object-oriented way.
- We provide the generic way of implementation so we can use the functionality for any type of data types.
- All the object-oriented design policies are used in this project.

Chat messenger with log facility :
Technology : Java Programming
Description :

- This project provides the chatting facility for pear-to-pear communication.
- We use java socket programming to perform the text-based chatting.
- We also maintain the log which contains all the chatting details with the periodic fashion.
- This application is platform & architecture independent.

File Packer Unpacker with encryption :
Technology : Java Programming
Description :

- This project provides the facility of packing and unpacking the regular files.
- In case of packing activity all the data of multiple regular files gets stored in single file with all related metadata.
- In case of unpacking activity, the data from the packed file gets extracted in the separate file with all necessary details.

- To maintain the security of the data we provide encryption and decryption techniques. • We provide Graphical user interface to interact with the application.

Customised DBMS :

Technology : Java Programming

Description :

- This project is used to demonstrate the internal working of Database management System.
- In this project we handle input in SQL format.
- To maintain the data of our database we use the concept of collections from java.
- This project handles all the operations which are performed by the DBMS.

Project Name : Periodic Process Logger with Auto Scheduled Log Report Facility

Technology : Python

Description :

- This application us developed in Python.
- This project automates process log activity.
- In this project we create log file with the current time and store information about all running processes as its name , PID, memory usage, thread count number of child process.
- Our automation script executes periodically depends on the time specified by the user using scheduler of python.
- After periodic execution it sends the log file to the specified email address.

Project Name : Remove Duplicate files from directory

Technology : Python

Description :

- This application us developed in Python.
- Automation script which accepts the directory name from user and remove the duplicates files from directory.

Project Name : Breast Cancer Predictor

Technology : Machine Learning- Breast Cancer Dataset with SVM

Description:

- SVM offers high accuracy as compared to another classifier.
- It is used in variety of applications such as face detection, classification of genes, handwriting recognition etc.

Project Name : Titanic Survival Predictor

Technology : Supervised Machine Learning with Logistic Regression using Python

Description :

- This application is based on supervised machine learning technique.
- There is one data set which contains information about all passengers from titanic such as its name, age, seat number , ticket price, height, floor etc.
- We first clean the data set by removing unnecessary entries and columns.

- We apply Logistic regression technique to train our dataset and predict whether the passenger can survive or not depends on its data entries.

Technical highlights :

- Strong coding ability both in producing clean and efficient code as well as debugging and
- understanding large code bases.
- Experience in application development in Python using Procedural as well Object-oriented manner.
- Contributing and taking part software and architectural development activities
- Developing well-designed, efficient, and testable code
- Proficient in Machine Learning skills for multiple types of applications.
- Experience in handling, analysing different types of data sets.
- Experience in writing Web Automation, File system Automation, Process Automation scripts
- with periodic scheduling and logging activity using Python.
- Sound knowledge of multiple algorithms used for Machine Learning from various libraries

Machine Learning case Studies :

- Iris Species classification using Decision tree algorithm
- Ball classification using Decision Tree algorithms
- Ensemble Machine Learning application with heterogeneous algorithm technique
- Iris Species classification using K Nearest Neighbour algorithm
- Brest Cancer Detection using Random Forest algorithm
- Play predictor application using Linear Regression
- Head Brain size predictor using Linear Regression
- Height Weight prediction using algorithm
- Titanic Survival predictor using Logistic regression algorithm
- Diabetes detector using Linear Regression
- Wine type classifier using K Nearest Neighbour

- **Git Repository :** **https://github.com/patildevendra-0?tab=repositories**
- **Projects Repository:** https://github.com/patildevendra-0/PROJECTS

Personal Information:

- Date of Birth: 15-06-2001
- Father's Name: Manesh Bhaskar Patil
- Marital Status: Unmarried
- Nationality: Indian

The above-mentioned information is authentic to the best of my knowledge.

DEVENDRA MANESH PATIL