

Prashasti Satpathi

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EDUCATION

VIT Bhopal University (Bhopal, India)

B. Tech in Computer Science & Engineering (Health Informatics)
(CGPA : 7.61)

September, 2023 – May, 2027

Shiv Jyoti Senior Secondary School (Kota, Rajasthan, India)

Class 12 : 75.4 % | Class 10 : 84.6%

March, 2020 – July, 2022

TECHNICAL SKILLS

Programming Languages:

Web & App Development:

Data & AI Tools:

Development Tools:

Databases:

Core Technical Areas:

Python, SQL, C++, JAVA, HTML, CSS, JavaScript, R.

Flask, Tkinter, Chrome Extension API, Django.

NumPy, Pandas, Matplotlib, Seaborn, Google Gemini API, Restful APIs.

Git, GitHub, VS Code, Jupyter Notebook, FireBase Studio.

MySQL, MongoDB, PostgreSQL.

Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Frontend Development, DevOps, Machine Learning,

CERTIFICATIONS

Certification Name

Blockchain & It's Application

Machine Learning

Fudamentals of AI & ML

Programming in Java

Complete Data Science, ML, DL, NLP Bootcamp

The Bits & Bytes of Computer Networking

Python Essentials

Issuing Organization

NPTEL (IIT-Kgp)

NPTEL (IITM)

VITYARTHI

VITYARTHI

UDEMY

COURSERA

VITYARTHI

Completion Date

May, 2025

May, 2025

March, 2025

February, 2025

December, 2024

November, 2024

December, 2023

PROJECTS

Phishing Website Detector (Chrome Extension)

February, 2025

Tech Stack: Python, Google Gemini API, Chrome Extension API, Machine Learning Algorithms, HTML, CSS

- Engineered a Chrome extension leveraging machine learning models to detect fraudulent websites with 95% accuracy.
- Built a real-time phishing detection system processing 1000+ URLs daily using Google Gemini API for advanced pattern recognition.
- Devised a custom anomaly detection algorithm, reducing false positives by 40% through pattern-based filtering.

Cancer Regression Analysis

September 2024 – December, 2024

Tech Stack: Python, Flask, SQL, Graph Algorithms, HTML, CSS, JavaScript

- Designed a mentor-matching system utilizing a weighted bipartite graph algorithm, enhancing match accuracy by 50%.
- Created a custom scoring mechanism analyzing user experience, skills, and preferences, resulting in a 25% improvement in successful mentor-mentee pairings.

Full Stack Practice Website

Ongoing

Tech Stack: Flask, HTML, CSS, JavaScript, MySQL

- Built a secure full-stack web application implementing JWT-based authentication with Flask backend and responsive frontend using HTML5, CSS3, and JavaScript.
- Integrated a MySQL-backed database ensuring optimized query execution and secure user data management.

Portfolio Website

Completed

Tech Stack: HTML, CSS, JavaScript, Vercel.

- Designed and deployed a fully responsive personal portfolio website showcasing technical skills and projects.
- Implemented CI/CD automation through GitHub Actions, enabling rapid and seamless site updates.

CO CURRICULAR

Operations Team Co-Lead (Dishari – The Bengali Club, VIT Bhopal)

September, 2024 – August, 2025

- Contributed in smooth operations leading to a massively successful event which involved around 550+ people. Handled every operational task with ease, from getting every parameters right

ACHIEVEMENTS

- Achieved Silver + Elite certification on 2 NPTEL courses. (Machine Learning (IITM) & Blockchain & It's application (IIT – Kgp))
- 5-star** in Python, C++ & Java, **4-star** in SQL on **HackerRank**.
- Completed 5+ certifications in Python, AI, and Data Science.

ADDITIONAL INFORMATION

- Hobbies:** Learning new skills (currently learning DSA, Data Science & Deep Learning), Listening to Music, Watching Ghibli Studio movies.
- Languages:** English, Bengali, Hindi, Japanese (Learning).