

Swayam Prakash Panda

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Daman, Daman and Diu - 396210, India

PROFESSIONAL SUMMARY

B.Tech CSE – AIML student at VIT Bhopal with hands-on experience in machine learning, data analytics, and full-stack web development. Built and deployed AI-powered platforms and scalable web applications in healthcare, cybersecurity, and event management. Passionate about transforming data into actionable insights and delivering end-to-end systems that solve real-world challenges.

EDUCATION

• Vellore Institute of Technology

B.Tech in Computer Science and Engineering (AI & ML)

◦ GPA: 8.56/10.00

May 2023 – May 2027

Bhopal, India

• Smt. Shobhaben Pratapbhai Patel Day Boarding School

Secondary & Senior Secondary Education (CBSE)

◦ Class 10th: 94.4%

◦ Class 12th: 84.6%

2019 – 2023

Valsad, India

EXPERIENCE

• GeeksforGeeks VIT Bhopal

Technical Team Member

◦ Developed interactive event platforms **Riddle Booth** and **Algo Rush** for Advitya'25, engaging over 200 students in live competitions

◦ Engineered full-stack quiz systems using **Node.js**, **Express.js**, and **Socket.io** for responsive, low-latency performance

◦ Helped organize and manage coding events and peer workshops for 1st and 2nd-year students

◦ Mentored juniors in Git workflows, deployment, and full-stack development practices

Jan 2025 – Present

Bhopal, India

• VITB AI Innovators Hub

Project Task Lead, Technical Team Lead

◦ Spearheaded the creation of "Darzi: AI Resume Suite," an AI-powered resume optimization platform for job seekers, with the collective efforts of 75+ developers and researchers.

◦ Coordinating ideation, task allocation, and sprint planning across technical verticals while facilitating collaboration between frontend, backend, and AI teams

◦ Working on structured data parsing and transformation of resume PDFs into JSON format for downstream LLM-based analysis

Mar 2025 – Present

Bhopal, India

PROJECTS

• Goldfish-Based Password Generation System

Python, OpenCV, Computer Vision, Cryptography

◦ Engineered a novel password generation system using fish movement entropy, tracked in real time with OpenCV.

◦ Applied computer vision to generate high-entropy cryptographic seeds via Euclidean tracking and SHA-256 hashing.

◦ Validated randomness using statistical tests (e.g., Runs Test), offering a low-cost biological alternative to hardware RNGs.

Dec 2024



• Leptospirosis Risk Predictor

Python, Machine Learning, PostgreSQL, Web Stack

◦ Built a machine learning pipeline predicting leptospirosis risk using climate and epidemiological datasets across Europe.

◦ Developed and deployed a full-stack ML web app with React, Node.js, and PostgreSQL, delivering geospatial predictions and interactive dashboards.

◦ Trained a Random Forest model with 85%+ accuracy and deployed it in a dynamic web application with visual dashboards.

Mar 2025



SKILLS

• **Languages:** C++, Python, JavaScript

• **Full-Stack Development:** React.js, Node.js, Express.js, REST APIs, PostgreSQL, Socket.io, HTML, CSS

• **ML & Data:** scikit-learn, pandas, OpenCV, MySQL

• **Tools & Platforms:** Git, GitHub, VS Code, GCP, AWS

CERTIFICATIONS

• **Google Data Analytics Professional Certificate**

July 2025

• **Applied Machine Learning in Python – University of Michigan**

December 2024

• **Cloud Computing – NPTEL**

May 2025

• **BCG Data Science Job Simulation – Forge**

October 2024

• **AcWoC 2025 – Android Club VIT Bhopal**

April 2025

HONORS & AWARDS

• Startup Star Season 1 – Startupvapi

Feb 2022

◦ Secured 7th position among hundreds of applicants across Valsad district.

◦ Pitched *Petmania* - an all-in-one pet care solution to simplify the lives of pet owners.

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Fluent), Odia **Interests:** Hackathons, Reading