

# Sarvesh Patil

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## EDUCATION

### VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

BACHELOR OF ENGINEERING IN INFORMATION TECHNOLOGY

Grad: 2024

CGPA: 9.9

## PROFILE

Portfolio:// [sarvesh2902.github.io](https://sarvesh2902.github.io)

Github:// [sarvesh2902](https://github.com/sarvesh2902)

Leetcode:// [sarvesh2902](https://leetcode.com/sarvesh2902)

GFG:// [sarvesh2902](https://www.geogebra.org/m/sarvesh2902)

## ACHIEVEMENTS

- 1<sup>st</sup> at [Hack-AI-Thon](#) Hackathon (VESIT)
- 2<sup>nd</sup> at [Hackanova 2.0](#) Hackathon (TCET)
- 2<sup>nd</sup> at [Syrus](#) Hackathon (VESIT)
- 2<sup>nd</sup> at [Code-O-Fiesta](#) Coding Competition (VESIT)
- 3<sup>rd</sup> at [Code-A-Thon](#) Hackathon (DMCE)
- [Finalist](#) at [Nomura Kakushin 7.0](#) Hackathon and received PPO
- Won [Scroll](#) pool prize at [ETHIndia 2023](#)
- Won [Best use of GenAI APIs](#) prize at [HackThisFall 4.0](#)
- [Gold Elite](#) in [NPTEL Python](#) Examination (secured 90%)
- [Finalist](#) at [Ethos Hackathon](#) (IIT Guwahati)

## SKILLS

Languages:

C/C++ • JavaScript • Python • Java

Frameworks:

MERN Stack • Next.js • Flask

Django • Tailwind CSS

Databases:

MongoDB • Firebase • PostgreSQL

ML Libraries:

Numpy • Pandas • Scikit-Learn

Matplotlib

Other tools:

AWS • Git & Github • Vercel • Render

VS Code • JupyterNB

## EXPERIENCE

### PROJECT SWECHHA (BMC) | SOFTWARE DEVELOPER INTERN

Jun 2022 - Present | Hybrid, Mumbai

- Built a **portal** for volunteers to **digitally upload data and images** of a Toilet Block which was done manually on paper previously
- Built a **dashboard** for the supervisors and admin to **assess** the data
- Used **Next.js** for frontend, **Node.js** for backend and **AWS** for deployment
- Implemented **downloading dashboard** as PDF and Excel using **JSPDF** and **XSLX**
- Implemented **OTP Authentication** using **Twilio**, **image compression** using **Sharp**
- Used **Google Sheets API** to store the approved data

### PROTOHUBS.IO | FULL STACK DEVELOPER INTERN

Aug 2022 - Dec 2022 | Remote

- Used **MongoDB** as database & designed database schema using **mongoose**
- Implemented user authentication using **passport.js** and **bcrypt**
- Implemented payment gateway using **Razorpay** API and webhooks
- Used **sketchfab** and **poly.pizza** API for searching and downloading 3d models
- Designed Login, Register and Courses pages using **React.js** and **TailwindCSS**

### SUD LIFE INSURANCE | SOFTWARE DEVELOPER INTERN

Mar 2022 - Present | Hybrid, Mumbai

- Built APIs using **Flask** for insurance policy validations which **eliminated manual** work of validating policy details
- Implemented functionality of downloading **dashboard** report as pdf in **Next.js**
- Created wireframe on **Figma** and performed testing and merging code

## PROJECTS

### DEMETER - THE FARMING ASSISTANT | VIDEO | LIVE | GITHUB

React.js, Next.js, Flask, Jupyter NB, Pandas, Numpy, Scikit Learn, OpenAI

- The platform offers farmers a range of tools, including **disease detection** and **treatment guidance**, a curated list of **suitable crops** and **fertilizers**, and a detailed **weather forecast analysis** for the next few days
- Implemented disease detection model using **CNN** with an accuracy of **98.7%**
- Built frontend using **Next.js** & **Tailwind**, API using **Flask**, auth using **NextAuth.js**
- Used **GPT-3** API for **analyzing** weather data, **DALL-E** API for creating **images**

### DIVERSITY PLUS | GITHUB

React.js, Next.js, Node.js, Express.js, MongoDB, Flask, Apex-Charts, SK-Learn

- The platform enables HR Managers to **analyze** the **diversity** of employees in the company using various **charts** and **tables**, **create** new jobs, and **analyze hiring trends** of each job at each level of hiring, as well as **analyze vendors/campuses**
- Implemented **ATS System** and **Candidate Recommendation System**
- Implemented **user authentication**, **real-time dashboard**, **department/position wise dashboard**, and **import/export** employee database feature

### PORTFOLIO PRO | VIDEO | LIVE | GITHUB

React.js, Next.js, Node.js, MongoDB, Bootstrap, Sendgrid, NextAuth.js

- The application enables users to easily create a **customizable portfolio** website that showcases the user's **skills** and **offerings**
- Built **Google**, **Github**, **Twitter** auth using **NextAuth.js**, stored data in **MongoDB**
- Implemented **CRUD** operations using **Node.js**, sending **emails** using **Sendgrid**