OMKAR PANCHAL

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Education

• **NBN Sinhgad School of Engineering, Sinhgad Institute | Savitribai Phule Pune University**   **CGPA: 7.76**
BTech (Computer Science and Engineering), 2023
• **Shri Bhairavnath Sec. and Higher Secondary School, Pune |MSBSHSE**   **PERCENTAGE: 54.62**
HSC (Science), 2018
• **Shri Saami Samartha School and Junior College, Pune | MSBSHSE**   **PERCENTAGE: 76.40**
SSC 2016

Personal and Academic Projects

• **Personal Portfolio Website | MongoDB, Express.js, React, Node.js | [GitHub](#)**
My personal portfolio website is a **full-stack web application** built to showcase my skills, projects, and professional experience. The website serves as an interactive resume and a platform to demonstrate my expertise in web development.
Key Features:
- Interactive Project Showcase: A dedicated section to showcase **my projects** with detailed descriptions, technologies used, and live demo links.
- Blogging Platform: A custom **blogging** platform where I can publish articles and share my insights on web development and related topics.
- Contact Form: An interactive contact form that allows visitors to get in touch with me directly.
- Resume Download: A downloadable PDF version of my resume for easy access.

• **The Super Saiyan: Animation Game using HTML CSS and JavaScript | Node.js, Express, MongoDB | [Live](#)**
Build a Single page Web-Game which is designed and developed using HTML, CSS, and JavaScript, featuring Goku from the Dragon Ball series. The game's functionality is built with JavaScript, which handles player inputs, character movement, collision detection, and game logic. I ensured seamless interactivity through event listeners and **DOM manipulation**, allowing players to control the character with ease.
Key Features:
- Created and implemented various game features, including: Increase the difficulty level based on player performance, time, and score Designed and programmed player actions and interactions to enhance gameplay experience.
- Created a **RESTful API** backend using Node.js, Express, and MongoDB, enabling efficient score tracking, player data management, and seamless communication between the game frontend and backend.
- Successfully deployed the game on a Digital Ocean **Linux Ubuntu server**, demonstrating proficiency in server setup, software installation, and configuration.
- Set up a reverse proxy using **Nginx** to ensure efficient routing and accessibility for users.

• **Gym Website: Samrat Gym | HTML, CSS, JavaScript | Node.js, Express, MongoDB | [Live](#)**
Developed a Responsive website for Samrat Gym using HTML, CSS, and JavaScript to provide users with information about the gym's services. Designed a MongoDB database schema to store user inquiries, enhancing the gym's communication with potential clients. Utilized **Git version control**, maintaining a well-organized codebase.
Key Features:
- Implemented a **RESTful API** backend and endpoint using Node.js and Express.js to handle incoming POST requests from users interested in contacting the gym.
- Hosted the website on a **Linux Ubuntu server**, ensuring secure deployment and implementation for enhanced security.
- Implemented a user-friendly contact form, enabling clients to send messages and queries directly to the gym for efficient communication.
- Integrated a fitness calculator feature, allowing users to calculate their BMI (Body Mass Index) based on input parameters.
- Implemented direct communication buttons, enabling users to contact the gym directly through email or phone calls.

Internships Experience

- **Software Developer Intern | SOCSPACE SSH |**   **22 July - Present**

Actively contributing as a software developer in the early ideation phase of a hardware-intensive and software-intensive product aimed at visualizing 3D models from 2D blueprints of architectural designs.

Collaborating with the team to design, develop, and implement software solutions and establish the foundational groundwork for its development.

Key Responsibilities:

- Playing a vital role in building and refining the startup's technology stack and infrastructure.
- Participating in brainstorming sessions to contribute ideas and insights for the product's design and functionality.
- Conducting feasibility studies and research to assess the technical viability of the envisioned features.
- Providing valuable feedback and suggestions to refine the product's concept and direction.

- **Web Development and Designing Intern | OASIS INFOBYTE |**   **1 Apr – 27 Apr 2022**

Developed multiple websites, including a Portfolio Website, Landing Page for a Local Gym, OTP verification page, and Temperature Converter Website using HTML, CSS, and JavaScript and Built the backend for the above websites using PHP and MySQL Database.

Created **Linux Ubuntu Servers (VPS)** on the DigitalOcean platform to host multiple websites using **Apache2 HTTP Server** and Efficiently managed VPS instances, ensuring high uptime and smooth website operation.

Configured VPS to support multiple websites with custom domains.

Used tools like **FileZilla Client** to exchange/transfers files between VPS and my desktop for seamless website management.

Technical skills

- Web Development: HTML, CSS, JavaScript, React, Node.js, Express.js, MongoDB, Bootstrap
- Java Programming, Data Structures and Algorithms, Object-Oriented Programming (OOP)
- Cloud Computing: Microsoft Azure
- Version Control: Git

Summary

Computer Engineering graduate from Sinhgad Institute, Pune. Proficient in Full-Stack web development with a strong understanding of Java, Data Structures, Algorithms, and Object-oriented programming.

Skilled and certified in Java, Microsoft Azure, and Web Development. Enthusiastic about exploring new technologies and staying updated with the latest advancements.