Sanat Paranjape

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CAREER SUMMARY:

Passionate and dedicated software engineer, seeking a position to leverage my strong problem solving and communication skills to contribute to the organization's goals.

TECHNICAL SKILLS:

Programming Languages: Python,JavaScript,Java, Linux, C++
Web Technologies: React,Node.js**,** HTML5, CSS3, REST, AJAX
Frameworks: Django,Express, Spring Boot, Flask
Cloud Technologies: Amazon Web Services, Docker
Databases: MySQL, MongoDB
Tools, IDE, Servers: Visual Studio Code,Git,Eclipse,Atom
Key Areas: Web Development, Artificial Intelligence, Cloud Computing, Data Structures and Algorithms

EDUCATION:

M.SC	Computer Science, Trinity College Dublin	**GPA : 2.1**	**Sep 2023 - Aug 2024**
BE	Computer Engineering, Savitribai Phule Pune University	**GPA: 8.79**	**Aug 2018 - July 2022**

PROFESSIONAL EXPERIENCE:

Hodek Vibration Technologies Pvt Ltd	**Software Engineer Intern**	**Aug 2020 – Feb 2021**

- **Web development in technologies like HTML, CSS, JavaScript, Python, React**
  - Contributed to web development projects, utilizing technologies such as HTML, CSS, JavaScript, Python, and React to create dynamic user interfaces and REST APIs for the company website. These efforts resulted in a 25% boost in user engagement.
- **Leadership role in working with a team of testers who identified automation testing scenarios**
  - Led a 15-member testing team to identify and implement automation testing scenarios, ultimately reducing testing time by 60%. Recognized for outstanding contributions by the team lead.

Jnana Prabhodini	**Website Development Intern**	**Jan 2023 - May 2023**

- **Creation of a Dynamic Website for Stree Shakti Department**
  - Built a website from start to finish after understanding the goals, requirements and target audience of the Stree Shakti department representatives.(Live Website : https://www.jpssp.org/).
- **Content Creation and Implementation**
  - Collaborated with the Stree Shakti Department to gather content, including project descriptions, images, staff profiles,etc. Integrated the content into the website's structure, ensuring a consistent and logical information hierarchy.
  - Implemented a Content Management System (CMS) to enable easy content updates by department staff. Conducted training sessions with admin personnel to help them manage and update projects resulting in 20% reduction in content management time.

Bricshub.com	**Full Stack Developer**	**July 2023 - Sep 2023**

- **Website based on Blockchain for Carbon Credit Accounting**
  - Designed a dynamic website leveraging blockchain technology for carbon credit accounting, resulting in 30% reduction in accounting errors and hosting the website on AWS EC2 instance.
  - Collaborated with other Bricshub developers to implement robust user authentication and authorization mechanisms to protect sensitive information.Outlined the design and strategy for creating the Carbon Credit Bricshub mobile application with React Native to ensure a more user-friendly and convenient experience.
- **Satellite Image Analytics**
  - Collaborated with the Pune Knowledge Cluster to enhance satellite images and perform analysis. Converted satellite images from .tiff format to .jpg format for improved readability and accessibility. Performed Green Pixel Analysis using python libraries like OpenCV to identify the percentage of green pixels in the image.Formulated an image processing script in Python utilizing OpenCV to count in satellite images and merge trees with 80% accuracy, enhancing environmental analysis and visualization.

PROJECTS:

Sustainable City Management	**Sep 2023 – Apr 2024**

- **Technologies:** React JS, Django, Docker, PostgreSQL, AWS Cloudfront
- Collaborated with nine MSc students from Trinity College Dublin to develop a decision-support dashboard for city managers, emphasizing flexible data source management while leveraging open data sources, showcasing teamwork and proficiency in software engineering principles.
- Employed cutting-edge frontend technologies and frameworks to create interactive data visualizations and dynamic features, elevating the dashboard's usability and showcasing proficiency in frontend development.

Detecting Diabetic Retinopathy using Convolutional Neural Networks	**Aug 2021 – July 2022**

- **Technologies:** Convolutional Neural Networks, Deep Learning, Spyder, Python
- Developed deep learning based system of grading Diabetic Retinopathy using Semantic Segmentation
- Trained an Image Classification model which will accurately detect Diabetic Retinopathy using color fundus images.

Consultech Engineers: Website for a business consultancy in Pune	**Jan 2021 – Aug 2021**

- **Technologies**: React, Redux, Node.js, Redis, MongoDB, MySQL.
- Built a distributed system application which contains the information about the services offered by the consultancy and created a front-end web application using React and Redux, and used MySQL and MondoDB to store data. .
- Registered a domain name and hosted the website on AWS. The website is live at https://www.consultechengineers.in

ACHIEVEMENTS AND AWARDS:

- Google Data Analytics Professional Certification (Coursera Credential ID: 5B983MBSEKF3)
- Advanced Python Certification (Credential ID : ActGRidPLe54daUwa429NgyjfgCh)
- Volunteered for multiple IEEE Pune Section Events