Swayambhu Dhuri

New York, NY 10038 | Swayambhu.jobs@gmail.com | +1 347-322-4419 | linkedin.com/swayambhu/| github.com/swayambhu

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems   New York, NY
Master of Science (MS) in Computer Science | **Concentration**: Software Engineering   May 2024

Savitribai Phule Pune University   Pune, MH
Bachelor of Science (BSc.) in Computer Application | **Concentration**: Software Development   August 2021

RELEVANT COURSEWORK

Data Structures and Algorithms | Software Engineering | Computer Architecture | Operating Systems | Databases | Networks | Machine Learning | Artificial Intelligence | Cloud Computing | Programming Languages | Web Development | Mobile Development

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C++
Frontend: React.js, Redux, jQuery, HTML, CSS, SCSS, Bootstrap
Backend: Django, FastAPI, Node.js, Express.js
Libraries: NumPy, Pandas, TensorFlow, PyTorch, Keras, Matplotlib, Seaborn, SciKit learn
Machine Learning Algorithms: Neural Networks, Support Vector Machines (SVMs), Decision trees, Random Forests

Database Management: MySQL, PostgreSQL, MongoDB, Firebase
Software / Tools: Git, GitHub, VsCode, Docker, Jupyter Notebook
Cloud: Amazon Web Services (AWS), Google Cloud Platform (GCP)
Operating Systems: Ubuntu Linux, Mac OS, Windows
Certifications: Associate Diploma in Cyber Security (CSSRL – 2019), Python IT Automation (Google 2021), Machine Learning (Deeplearning.ai)

ACADEMIC PROJECTS / PERSONAL PROJECTS

Backend Development Virtual Work Simulation (Lyft)   May 2023 – June 2023
Technologies Used: *Python, PyTest*
- Refactored complex codebase using test-driven development, improving performance, maintainability, and reliability.
- Implemented unit testing for the refactored system, achieving 100% test coverage and ensuring code reliability.
- Demonstrated expertise in Python and problem-solving skills, resulting in a positive impact on the development process.

ParkEZ   January 2023 – Present
Technologies Used: *Python, FastAPI, React JS, Docker, AWS, Jenkins, PostgreSQL*
- Led a team of 9 developers to build and launch a parking detection and navigation platform.
- Developed the user interface using React.js, Bootstrap, jQuery, and SCSS, following SEO and accessibility best practices.
- Engineered scalable and secure backend service using Python, FastAPI, and PostgreSQL, implementing agile methodology.

VoteBlog   January 2023 – February 2023
Technologies Used: *Python, Django, MySQL, PyTest*
- Created a RESTful API for a backend app that allows users to verify profiles, write, rate, review, and vote on blogs.
- Performed unit testing on all API endpoints, achieving 100% test coverage to ensure code reliability and improvement.

Kanban Board   January 2022 – June 2022
Technologies Used: *React.js, Redux, GCP Firebase*
- Engineered a serverless frontend web application to keep track of tasks and order tasks according to priority.
- Developed an interactive UI and filter using React.js, Redux, and GCP Firebase to help managers track progress.

PROFESSIONAL EXPERIENCE

UFABER EDUTECH PVT. LTD   Mumbai, MH
Software Development Engineer   August 2021 – September 2022
- Architected and built a scalable and secure authentication microservice using Node.js and Express.js, which simplified the authentication and user management system for 100,000+ internal and external users across the company.
- Programmed and deployed a fluency evaluation meter by utilizing speech-to-text analysis cloud function on the Google Cloud Platform (GCP) to improve the speech recognition model and provide feedback to users.
- Built a Content Management System (CMS) using React.js and Django that serves over 10,000 users per day.
- Developed a data structure for caching user data that reduced query time by 20%.

Harmony Aquatic Club   Pune, MH
Freelance Software Developer   August 2018 – January 2020
- Reduced labor costs by 30% by developing and implementing software solutions with Python Django and React.js.
- Built an end-to-end system to track and monitor users and payments with Django and PostgreSQL.
- Developed and Optimized SEO-Friendly user interface with ReactJS, Redux, jQuery, and Bootstrap.
- Deployed a PostgreSQL database to store 5000+ users' data, implementing a RESTful API to automate information processing.