Partha Protim Sarkar

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CAREER OBJECTIVE

Seeking an opportunity as software developer to prove my skills with a mind of learning new skills as well in your reputed organization and to expand my knowledge, learnings in software developing and programming, thus making a significant contribution towards the success of the organization.

KEY SKILLS

Programming Languages - Java, Python
Web Development - HTML, CSS, JavaScript, Bootstrap, React, PHP, Node.js
Database Management - Oracle, MySQL
Version Control - Git, GitHub
DevOps Tool: Docker, Kubernetes

SOFT SKILLS

Problem-solving
Teamwork and Leadership
Communication
Time Management
Adaptability

PROJECTS

Responsive Complaint Booking Website for Services in Apartment Complex

Developed a full-functional website using HTML, CSS, JavaScript, Bootstrap, PHP, and MySQL as MCA Mini Project. This project offers a streamlined solution for residents to effortlessly raise complaints and book services including all CRUD operations with admin panel, receive and manage complaints, forward Complaints, user management, view status and login with OTP.

Bengali Audio Transcription using Transformer

Developed a transformer model to transcribe bengali audio speech segments to text using Python and Tensorflow as MCA Minor Project.

Opinion Polarization Modelling in Social Networks

Developed a model simulating how opinions spread in online social networks using Python as B. Sc. Major Project. Users share posts based on probabilities, influencing each other's opinions and friendships. The distribution strategy is key in either fostering or mitigating polarization, with rewiring probabilities affecting echo chambers and community structures.

WORK EXPERIENCE

Nevaeh Technology Pvt. Ltd.   **Feb 2024 - Present**
Software Engineer Intern

As a Software Engineer Intern at Nevaeh Technology, I contributed significantly to the development of a Distributed Management System (DMS). My key responsibilities included creating a proof of concept for a highly available DMS front-end and back-end using various configurations. Additionally, I successfully deployed the DMS front-end and back-end in a staging environment for a live company project. The deployment involved technologies such as NginX, PM2, Node.js, and Java. Furthermore, I Dockerized the application to enhance its portability and scalability. By utilizing Kubernetes, I ensured seamless scaling and efficient management of the DMS across clusters.

EDUCATION

Master of Computer Application (2022-2024)
Heritage Institute of Technology, Kolkata (HITK)
DGPA: 8.6

B. Sc. Honours in Computer Science (2019-2022)
Vidyasagar College, University of Calcutta, Kolkata
CGPA: 7.99

Higher Secondary (2019)
Sinthi Ramkrishna Sangha Vidyamandir, Kolkata
Percentage: 81.4

CERTIFICATIONS

- Short Term Training Programme on Machine Learning for IoT Edge Computing, Organized by Heritage Institute of Technology, Kolkata (HITK)
- Completed Industrial Training Programme on MERN Stack Development at Euphoria genx

LANGUAGE KNOWN

English · Hindi · Bengali