Chiren Sanjay Shah
Software Engineer

(480) 791-5958
Tempe, Arizona
cshah13@asu.edu

GitHub: chirenshah
LinkedIn: chiren-shah
Leetcode : chirenshah

EDUCATION

Masters of Science, Computer Science   AUG 2021 – MAY 2023
Arizona State University   GPA 3.83 / 4.0
Relevant Coursework : Foundation of Algorithm | Fundamentals of Statistical Learning | Distributed Database Management Systems | Cloud Computing

Bachelors of Engineering, Information Technology   JUL 2017 – AUG 2021
Mumbai University   GPA 8.67 / 10.0

SKILLS

Languages & Scripting	Python, JS, Dart, HTML, CSS, SQL, PHP, C#, Java, C++
Tools & Libraries	React, WebRTC, Figma, Git, Node.js, JIRA, phpMyAdmin
Frameworks	Flutter, Drupal, Wordpress, Flask, Django, Unity, Springboot
Database	Firebase, MySQL

PROFESSIONAL EXPERIENCE

Lead Software Developer   JUN 2022 — NOW
Supply Chain Management, W. P. Carey School of Business **Technologies:** React, Figma, Firebase, Git, WebRTC   *Tempe*
- Collaborated with faculty in redesign of the **System Architecture** resulting in lower turn around time, reduced resource utilization and better User Experience.
- Engineered a collaborative system for real-time multiplayer interaction using Conflict-free Replicated Data Types.
- Created data channels in peer-to-peer network using **WebRTC** which shrink the latency by 50% and lowered server read/writes resulting in cost reduction.
- Accelerated the timeline and was responsible for Software Development Life Cycle being reduced by 30% .

Web Developer   JUN 2022 — NOW
Educational Outreach and Student Services - Arizona State University **Technologies:** Drupal, PHP, JIRA, Lando, Pantheon   *Tempe*
- Developed and edited Thematic blocks which are used across all university websites.
- Managed upgrade for 12 ASU websites moving from Drupal 7 to Drupal 9 translating into better security and stability.
- Engaged productively in the web team's **Agile** development process, effectively translating University requirements into tangible deliverables.

Web Developer Intern   NOV 2019 — JAN 2020
FashionablyIn **Technologies:** *Wordpress, Dialogflow*   *Remote*
- Decreased the overall load time as measured by **PageSpeed Insights** rating which improved from **38% to 60%** by minifying the code and tree shaking CSS, Javascript before deployment.
- Increased the **average session duration** by 36% by Integrating conversational UI on the Website with Dialogflow.
- Built the Social network on fashionablyin.com using Ultimate Member Plugin.

PROJECTS

Sales Forecasting (Data Analysis and Machine Learning)
- Assembled various Machine Learning and Statistical models like **LSTM** and **random forest** on a flask server to forecast future sales or trends, with the model with the highest performance as determined by the f-1 score being chosen.
- Utilized Time series models with high fidelity to compute short-term accurate forecasts, and regression models with great generality, such as **CatBoostRegressor**, to extrapolate long-term trends.
- Installed Plotly along with flask to create dynamic graphs with different levels of granularity.

Autonomous Parking Vehicle
- Trained an agent to park in a game environment with Reinforcement Learning using Unity Game Engine.
- Implemented **reinforcement learning** on a Neural Network, to train the agent into parking a car in the Unity Environment.
- Designed the **reward policy** to gauge the progress of an agent and made assets to design the environment of the game.

Website for Naturopathy Clinic (https://drtruptishah.com/)
- Planned, prototypes and Developed a **responsive** website for multiple Screens.
- Deployed Firebase for User Authentication and Real-time Data Querying and storage.
- Constructed wireframes and coded the User Interface, added CSS animations and keyframes to make the website more dynamic.

ACHIEVEMENTS CERTIFICATION

Won 3rd place in City-wide Hackathon
Build a web application for a Hackathon on "Blockchain and Social Causes" organized by the campus chapter of CodeChef using flask for deploying a blockchain based project tracking system with applications in Candidate selection and appraisals.
Certificate : Completed an immersive apprenticeship in full stack development with Java at Tech Talent & Strategy.