

Shivam Chawla

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EXPERIENCE

- Rising Team** Remote, California
Senior Software Engineer(React, Python/Django and PostgreSQL) July 2023 - Present
 - AI leadership coach:** Built an AI-enabled leadership coaching system that analyzes goals, feedback, and behavioral signals to generate actionable coaching insights and decision support for leaders.
 - AI Roleplay:** Researched, planned and implemented Roleplay to the core services of the platform to increase the usage of AI usage in the platform. Increased usage by 8% in 24 hours.
 - AI Platform Infra Development:** Developed AI platform which included tools to write an AI generated 360°performance review and a conversation bot using Langchain and LLMs. This also included summarize exercises for team leads and administrators, fostering team cohesion and discussions.
 - Realtime Framework:** Implemented seamless real-time data synchronization and optimized system performance to enhance user experience to replace polling.
 - Mini Kit Framework:** Spearheaded the creation of a mini kit framework empowering managers to facilitate small team-building exercises for remote/hybrid work. The framework streamlined kit development, reducing creation time from 1 hour to just 3-5 minutes.
 - Onboarding Platform:** Developed a new onboarding platform for new customers, facilitating seamless login, new team setup, team lead invitations, and session scheduling on the company portal.
 - Session Development:** Collaborated with cross functional teams to develop sessions with intuitive interactions to increase usage. Also led the development of civil conversations in collaboration with SHRM for their Annual Conference
- Facebook(Meta)** Menlo Park, California
Front End Intern(React, PHP and MySQL) June 2022 - Sep 2022
 - Developed an **automated framework** that planned the schedule of **future decommissions** of servers in Facebook's Data Centers using React and PHP. This automation allowed partners to view and update Data Center Decommission details using parameters such as date and location.
- Western Digital** Bangalore, India
Engineer(Python, React, C++) July 2019 - July 2021
 - External SSD:** Designed and implemented thermal and resource manager framework of an NVMe SSD to improve performance of drive at high temperatures(85°C-95°C) by 50 MBps using Python and C++.
 - Infra Tech Lead:** Oversaw a team of 7 for 1 year ensuring cross company communications to facilitate product development and release. Led development of features to accommodate 2 additional requests from DELL and HP.
- Western Digital** Bangalore, India
Engineering Intern(C++, Python) Jan 2019 - June 2019
 - Enhanced **Ungraceful Shutdown framework** to improve drive latency upon waking up from unplanned shutdown.
 - Developed an automated testing framework using Python to test latency of the drive after waking up.

SKILLS SUMMARY

- Technologies:** React, Redux, JavaScript/TypeScript, Python, Django, C++, Java, HTML, CSS, NodeJS, PHP, SQL, ML
- Tools:** Firebase, Kubernetes, Docker, GIT, Mercurial, AWS Services - VPC, EC2, S3, EBS, Route53
- Soft Skills:** Adaptability, Leadership, Event Management, Teamwork, Public Speaking

EDUCATION

- University of California, San Diego** California
Master of Science - Computer Science; GPA: 4.0/4 Sep 2021-June 2023
Courses: Recommender Systems, Algorithm Design & Analysis, Data Mining & Analytics, Statistical Natural Language Processing.
- Thapar Institute of Engineering and Technology** India
Bachelor of Engineering - Computer Engineering; GPA: 9.27/10 July 2015 - June 2019
Courses: Data Structure and Algorithms, Operating Systems, Software Engineering, Computer Architecture, Database Management.

PROJECTS

- Fit Size Recommender/Predictor(Machine Learning):** Built a model to predict the fit size of a dress to a particular consumer depending on attributes of dress and consumer using latent factor models.
- Food Builder and Delivery System (ReactJS, Firebase, AWS Services):** Developed and Deployed a web app through which an individual can add ingredients to a burger and order it online using EC2 instance.
- Virtual Hospital Management System(PHP, HTML/CSS, JavaScript, Bootstrap):** Developed a web app to allow a person to make an appointment with a doctor, upload records, get medicines and talk to a professional right away.

PUBLICATIONS

- Research:** Building recommendation system using LLMs/ChatGPT - Developed a new Recommendation system using SASRec and ChatGPT under Prof. Julian McAuley at University of California, San Diego.
- Patent:** Management of Thermal Throttling in Storage Devices - Improved latency and throttling of SSD at high temperatures.
- Patent - Provisional:** Critical RPMB and FFU Data in Secure HMB for Recovering Bricked SSDs - Storing Critical drive data to restore drive after it becomes unresponsive.
- Paper: Machine Learning:** Fault Detection in a Three Phase Transformer using Ensemble Model - Presented paper at IEEE conference 'International Conference on Machine Learning and Data Science, Dec 2018.'