Chirag Soni

+91 7737672266 | sonichirag1999@gmail.com | linkedin.com/in/chirag-soni01 | chiragsoni.in

EDUCATION

Indian Institute of Technology (BHU), Varanasi   Jul 2017 – May 2021

EXPERIENCE

Hashicorp | Go, AWS, Azure   Aug 2024 – Present
Software Engineer - 2   *Bangalore, India*
- Working in the Vault Cloud team, contributing to key initiatives aimed at improving system resiliency by introducing a dedicated cadence domain for the product.
- Resolved 100+ security vulnerabilities strengthening overall platform security and compliance posture.
- **Bring Your Own CA**: Developed solutions to improve private connectivity between vault and customer infrastructure enhancing usability, security and product experience.

Druva Data Solutions | Go, AWS, Distributed Systems   May 2022 – Jul 2024
Staff Software Engineer   *Pune, India*
- **Daintree Team**: Working on Druva's nexgen storage system. Managing data, deduplication & file systems.
- **Debugger Tool**: Developed an innovative internal command line interface (CLI) similar as git for the product file system resulting in debugging and evaluating various types of data as per requirements, reducing developers effort for creating custom scripts.
- **API Signature Validation**: Implemented API's security validation feature using AWS Paramstore and cryptography for signing API cookies and identifying any possible security vulnerabilities.
- **Cloudcache Development**: Contributed to on-premise software appliance, optimizing backup and restore processes, reducing time by 30% and enhancing data protection.

HCL Technologies | Python, Machine Learning   Jun 2021 – Apr 2022
Software Engineer   *Noida, India*
- **R&D**: Development in the field of Topological Data Analysis (TDA) for identifying credit card transaction frauds achieving 92% accuracy and used confusion matrix to view model's performance.
- **Report Extracter**: Developed an innovative tool to extract data from unstructured data reports and aligning data as per requirements using SGD optimizer to classify the required information and parsed data as per the required format structure by closely working in a team taking initiative on innovation and future of the project.

PROJECTS

Instagram Clone | *JavaScript, React Native, Redux, Firebase, Expo*   Jan 2021 – Feb 2021
- Created a hybrid Instagram-like social media mobile application for Android and IOS devices.
- App allows users to post images with description on their profile and allows them to interact with other posts by 'liking', 'commenting', 'saving', and 'following', real-time 'messaging' to different users' accounts.
- Utilized Firestore for storing data on the signup page such as username, email ID, password and profile picture.

Inventory Management of a Marketplace | *PHP, HTML, MySQL, DBMS, JavaScript*   Dec 2018 – Jan 2019
- Developed a sample website for entries of a marketplace in the database.
- Designed and implemented database tables for managing inventory, sales, and stock updates on an Apache server.

TECHNICAL SKILLS

Languages: Go, C++, Python, Java, React
Tools & Technologies: AWS, DBMS, SQL, Linux, Docker, Jira, Git

AWARDS

Druva All Stars Award   Feb 2024
- Implemented flush functionality for Cloudcache feature, ensuring code quality and addressing edge cases for flawless production performance.

Winner of Druva Hackathon   Jan 2023
- Led winning team in Druva's company-wide hackathon with 200+ participants.
- Developing a new data resiliency solution saving around 15K dollars per month, by listing S3 head objects and storing metadata in inhouse S3 wrapper called hubble.

HCL ERS Champion Award   Aug 2022
- Demonstrated the versatility to achieve more than expected accuracy by efficiently implementing algorithm using Topological Data Analysis.