

CHINMAY SARAF

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WORK EXPERIENCE

Intercontinental Exchange, GA | Full Stack Developer **01/2024 - Ongoing**

- Implemented 3 features of trading application which will be used by traders as a part of post trading analysis.
- Working on performance improvement of the commodity trading application with Java Springboot and ReactJs.

The MathWorks Inc., Natick, MA | SDE Intern **05/2023 – 08/2023**

- Worked with the Simulink team in the enhancement of 3 Simulink components using C++, Javascript, and MATLAB.
- Architected the design of a Simulink component of a simulation monitoring system.

Deutsche Bank Group, Pune | Associate **07/2019 – 07/2022**

- Enhanced the performance of the application by 30% while working as a Full Stack Developer.
- Engineered novel UI developments in the application using React packages improving 5000+ user's experience.
- Contributed in developing APIs in Java Springboot microservice-based application with 11 microservices.
- Optimized the Database performance by 15% by employing sharding and indexing.
- Developed scripts to automate the application testing using JS, Gulp, and Selenium driver saving 42% testing time.

Persistent Systems Ltd., Pune | Project Intern **09/2018 – 04/2019**

- Architected a decentralized application using Hyperledger Fabric to manage the manufacturing supply chain process.
- Deployed a distributed, secured, and robust blockchain application used by 5000+ customers.
- Coded the chaincode using Go language, middleware using Nodejs, and UI using AngularJS, HTML 5, and CSS 3.

EDUCATION

University of Illinois Urbana-Champaign **08/2022 – 12/2023**

Master of Computer Science **3.95/4.00 GPA**

Pune Institute of Computer Technology **07/2015 – 05/2019**

Bachelor in Computer Engineering **9.27/10.0 GPA**

TECHNICAL SKILLS

- **Programming Languages:** Java, Javascript, Python, C++, C, Go, CUDA, MATLAB
- **Tools & Frameworks:** React, Spring boot, Angular, Nodejs, CodeQL, Android, Hyperledger Fabric, Ethereum, Gulp, GCP
- **Databases:** Oracle SQL, MySQL, MongoDB, Neo4J

PROJECTS

AI-enabled Automated Blackbox Testing of REST API-based Applications **01/2023 – 05/2023**

- Orchestrated a Blackbox Testing tool for REST API-based projects using GPT3.5 saving 40% of test development time.
- Contributed to the generation of interaction graphs of microservices through static code analysis using CodeQL.
- Created a Java-based module to generate a unified Swagger and a Python-based script for the tool.
- Achieved 10% more code coverage compared to state-of-the-art tools like RESTler, Evomaster, RESTTestGen, etc.

OnioPay – Payment Regulating Application for Mentally Challenged People **01/2021 – 03/2021**

- Devised a React Native-based mobile app to solve the problem of overspending faced by people with mental disorders.
- Implemented a machine learning prediction model using Keras with an accuracy of 95.42%.
- Designed the user interface using React Native-based Material UI libraries for 4 use cases.
- Ranked among the top 10 of 50 teams from India participating in the Deutsche Bank Global Hackathon.

Decentralized Supply Chain Management for Automobile Industry **09/2018 – 04/2019**

- Built a decentralized application for Supply Chain Management of the Automobile Industry with 5 major use cases.
- Played a key role in designing the architecture and developing the application using Go, Nodejs, and AngularJs.
- Integrated the application with Raspberry Pi using Python scripting to automate the process.
- Presented the project in National Level Project Competition – INC'19 and secured the 'Runner-up Award'.

EXTRACURRICULAR ACTIVITIES AND LEADERSHIP

PICT ACM Student Chapter | Chairman, Event-Coordinator, Member **02/2016 – 06/2019**

- Led a team of 200 as a Chairman during which we won the ACM India's Best Student Chapter Award.
- Conducted regular meetings, and technical sessions, and created event reports of the same while leading the chapter.
- Handled the responsibility of event coordinator for the annual technical event – Pulzion'17 with a footfall of 3000.