

## Tarun Vihar Tumati

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### EDUCATION

**California State University**, Northridge, CA

*Sep 2021 – Present*

*Masters in Computer Sciences*

Related Courses: Database Design , Web Development, Data Structures and Algorithms

**Vellore Institute of Technology**, Vellore, India

*Jul 2015 – May 2019*

*Bachelor of Technology in Information Technology*

### TECHNICAL KNOWLEDGE

**Programming Languages and DBs:** Java, JavaScript, Ruby, Python, Oracle, MySQL, SQL Server, MongoDB, DynamoDB

**Web-Development :** HTML5, CSS3, JavaScript, AngularJS, ReactJS , NodeJS, Spring Boot

**Devops & Deployment:** Jenkins, Heroku, AWS Services(S3, Lambda, API Gateway, Batch) , Chron Jobs

**Project Management:** JIRA, Git, GitHub.

### WORK EXPERIENCE

**HSBC Technology** , Hyderabad, TL

*Software Engineer*

*July 2019– July2021*

- **Reports & Files Download :** Built a new feature to download the reports which allows commercial costumers to review transaction history and track payments.
- In order to meet the global standards in electronic payments, integrated PSD2 module which involves two factored authentication in the payment flow which make it more secure and reliable.
- Refactored (Optimized & fault-tolerant) payment channel to process bulk payment(NEFT , ACH etc).
- Automated and configured Jenkins pipelines , schedulers to build, test and deploy on server.
- **Resource Management System :** Designed and developed a resource management system which allows manage projects , employees demand & supply and their leave plans using Oracle , React js, Hibernate , Spring Framework.
- Implemented Scrum-based development methodology that includes daily stand-ups, regular sprint review, and retrospectives to illustrate work with a cross-functional team using agile development processes.

**Vassarlabs**, Hyderabad, India

*Intern*

*Jan – May 2019*

- Worked on full-stack technologies in building data analysis platforms on various sectors like education and water management.
- Developed the reusable modules/ components & integration with REST API's and resolved minor bugs.
- Implemented RESTful services to cater to the needs of comomoqueries using Elasticsearch Java Client and Spring n boot.
- Reduced development workload across all projects through a standardized table directive using Angular.

### ACADEMIC PROJECTS

**Enenergy-Efficient Algorithms for Dynamic Virtual Machine Consolidation**

*Jan -May 2019*

- Various algorithms were published related to virtual machine provision, host overload detections etc.
- CloudSim, a JAVA based framework used for modeling and stimulation of cloud computing infrastructures and services.

**ShopAround**

- A web based application allows the user to create and manage multiple shopping lists and compare prices from different online stores in the area
- This is being developed using ReactJS for UI, Redux for Client State Management ,Spring Boot for Backend and MongoDB as a datastore.