

Harshit Kumar Jain

hlnu@usc.edu | 213-512-9553 | [linkedin.com/in/harshitkumarjain](https://www.linkedin.com/in/harshitkumarjain) | github.com/constharshit | constharshit.github.io

EDUCATION

University of Southern California <i>Master of Science in Computer Science</i> GPA: 4.00/4.00, Honors Award Related Coursework: Web Technologies, Algorithms, Web Search Engines, Data Management, Scientific Computing	Los Angeles, California DEC 2024
K L University <i>Bachelor of Technology in Electronics and Communication Engineering</i> GPA: 8.06/10.00, First Class with Distinction Related Coursework: Data Structures, Object Oriented Programming, Computer Networks	Andhra Pradesh, India APR 2017

WORK EXPERIENCE

University of Southern California <i>Teaching Assistant – Principles of Software Development</i> <ul style="list-style-type: none">Collaboratively guiding a class of 310 students within a 5-member Teaching Assistant team, in developing large-scale, graphical Java applications encompassing concurrency, animations, web integration, and database backends.	Los Angeles, California AUG 2023 - Present
Shantilal and Company <i>Chief Executive Officer</i> <ul style="list-style-type: none">Partnered with sales & marketing teams to create and implement data-driven strategies, resulting in 115% increased sales.Leveraged expertise and acumen to drive growth and profitability, contributing to business success.	Andhra Pradesh, India SEP 2021 - DEC 2022
<i>Technology and Operations Manager</i> <ul style="list-style-type: none">Supervised a team of 15, oversaw distribution of 25 pharma company's drugs to over 200 clients.Directed pharmaceutical distribution business operations – oversaw inventory, customer service, and logistics.Improved efficiency by accomplishing new processes reducing order processing time by 25%.	MAY 2017 – DEC 2020

PROJECTS

NaiveDB Database System View Project <i>Python, Database Management, Query Language Design, Memory Management</i> <ul style="list-style-type: none">Engineered a Python-based database system with CRUD, aggregation, order by, group by, and inner join functionalities.Designed a user-friendly query language, optimizing memory usage by loading datasets in manageable chunks.Implemented external merge sort for effective dataset ordering and inner join functionality across multiple tables.Applied external merge sort for efficient ordering of datasets, ensuring optimal performance with large data volumes.	OCT 2023 – NOV 2023
Event Finder iOS App View Project <i>Swift, Xcode, iOS App Development, SwiftUI, GCP, Swift Package Manager</i> <ul style="list-style-type: none">Managed end-to-end development of Event Finder iOS app enabling effortless event search on Ticketmaster.Leveraged Swift and Xcode to craft app's functionality and user interface, resulting in a seamless and enjoyable UX.Integrated location-based features with SwiftUI and Google Maps for discovering nearby events.Employed JavaScript and Node.js with Express for backend development of app.	APR 2023 – MAY 2023
Event Search Website View Project <i>JavaScript, Node.js, Express, Angular, TypeScript, Bootstrap, AJAX, GCP</i> <ul style="list-style-type: none">Developed a dynamic event search website enabling users to discover Ticketmaster events.Spearheaded backend using Node.js and Express.js to build robust, scalable server apps.Created intuitive, responsive UI with Angular, and Bootstrap for seamless UX.Integrated APIs like Ticketmaster, Google Maps and Spotify to enrich event info.	MAR 2023 – APR 2023

ACTIVITIES

University of Southern California - Trojan Tennis Club <i>Tournament Team Player – Officially representing USC at the Club Level</i>	Los Angeles, California JAN 2023 - Present
--	---

SKILLS

Languages	Java, Python, JavaScript, TypeScript, C++, Swift, SQL
Web Technologies	Angular, React.js, Node.js, Express.js, HTML5/CSS, Flask, Django, Bootstrap, REST APIs
Databases/Cloud Services	MySQL, MongoDB, DynamoDB, Firebase, Google Cloud Platform (GCP), AWS
Tools/Libraries	Git, Hadoop, VS Code, Xcode, Eclipse, IntelliJ, AutoCAD, PySpark, Jira, MATLAB, Plotly, Beautiful Soup