Harshit Agarwal

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LinkedIn | GitHub | LeetCode

EDUCATION

National Institute of Technology, Warangal **Warangal, Telangana**
B.Tech. in Computer Science Engineering *2021-2025*
CGPA – **8.81 / 10**

Grade XII (DPS RK Puram) **New Delhi**
Secured 97.2% in total *2019-2021*

Grade X (St. Michael's School) **Siliguri, West Bengal**
Secured 97.6% in total *2010-2019*

EXPERIENCE

Intern at Salesforce, Hyderabad *May-July, 2024*

- Developed and deployed a **Java** based **Apache Flink** application on **Kubernetes** which processed log telemetry from various sources (**SQS** and **Kafka** connectors).
- Gained hands-on experience with Kubernetes, Flink K8s Operator, and Flink architecture.
- *Achieved key-objectives:* Major version testing, Sandboxed demo-able application for customer onboarding, Log record type-based aggregations, Observability of metrics such as telemetry dropped and E2E latency, Performance baseline creation, Verification of inter-component connectivity.
- Used tools like **Argus** and **Grafana** for monitoring of metrics.
- Tools and Frameworks: IntelliJ Idea, Maven, Docker, Kubernetes, Apache Flink

PROJECTS

E-Commerce Database and Website Links: *PPT* | *Skinvana*

- Designed a database for a skincare recommendation website based on user surveys, using **SQL Developer**.
- Portrayed the database structure as an ER diagram and converted it to Relational model after applying normalization.
- Developed a multi-page static website using **HTML**, **CSS**, and **Bootstrap** to complement the database.

E2E Encrypted Messaging System Link: *GitHub*

- Developed a secure communication system with a server and multiple clients using **C**.
- Generated **RSA** public and private keys for each client for end-to-end encryption.
- Implemented one-to-one client communication with a server-side mailbox mechanism.
- Utilized **TCP/IP sockets** for robust communication between all entities.

Portfolio Link: *Portfolio*

- A website that contains all the information about me, including my projects.
- Designed the UI using **HTML** and **CSS**.
- Made the site responsive by using **JavaScript** and CSS media queries.

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Java, SQL, Python
Web Development: HTML, CSS, JavaScript, jQuery
Frameworks: Bootstrap, Node.js, Express.js, Flink, Hadoop, Zookeeper
Technical: Data Structures and Algorithms, DBMS, OOP, Computer Networks, Operating Systems, ML, AI, Cryptography
Tools: GitHub, VS Code, Oracle SQL Developer, IntelliJ Idea, Maven, Docker, Google Colaboratory

ACHIEVEMENTS AND AWARDS

- Solved **450+** DSA questions on coding platforms such as LeetCode, GFG and InterviewBit.
- Scored **2300/2400** in SAT Subject Test.
- Received a Gold Medal for Academic excellence (2020).
- Received the *Most Dedicated Student* award (2019).