

Technical skills

- Programming Languages - Javascript, Typescript, Solidity, Python & C .
- Development - Nestjs, Express, Nodejs, Reactjs, Docker, Kubernetes, Redux, Postgres, MongoDB, RXJS, Redis, RabbitMQ, BullMQ, Socket.io, AWS. Ganache, Hardhat, Ethersjs, Web3js, Oracle ChainLink.
- Relevant skills - React native, large language models (LLMs).

Courses Undertaken (Delhi Technological University (Formerly DCE))

- JavaScript Algorithms and Data Structures, Advanced Nodes, Blockchain for Business, Operating Systems, OOPs, Functional Programming, DBMS, System Design and Architecture, APIs and Microservices, Event-driven programming, Responsive Web Design, Test Driven Development.

Work Experience

- **MOBILE PROGRAMMING (DEC 2021-JUNE 2024)**
 - **PROJECT - LOYALTY SERVICE ADANI DIGITAL LABS (SR DEVELOPER- MAR 2023 - JUNE 2024)**
 - ▶ Led onboarding for Adani-ICICI co-branded card, tested SLA (1M users, <500ms), developed SFTP for secure data transfer, implemented real-time monitoring, and ensured daily transaction sync.
 - ▶ Led Bharat Bill Payment System (BBPS) setup in NestJS, improving UX for 80M users; built Adaptive Validator for dynamic input handling.
 - ▶ Migrated 22M loyalty users and their transactions from third-party MySQL to MongoDB, enhancing the ETL pipeline with Python scripts for data extraction, transformation, cleaning, and schema optimization.
 - ▶ Worked across the Agile software development lifecycle using Microsoft Azure Boards, managing Tasks, Bugs, Epics, and Features, with ownership of testing, releases, and deployment.
 - **PROJECT - LOYALTY SERVICE, JIOX - RELIANCE JIO (DEVELOPER - DEC 2022- FEB 2023)**
 - ▶ Developed analytics for Loyalty Service dashboards (SuperAdmin & MerchantAdmin) by using replica instances of the production database to run optimized aggregation queries via a cron job, delivering insights on 50M+ transactions and 100K+ merchants..
 - ▶ Contributed for software system that Allocates Loyalty Points to customers, redeemable across multiple merchants.
 - ▶ Owning the API interaction between Reliance Legacy Rewards Points System.
 - **PROJECT - FULFILLMENT SERVICE, SAMSUNG (DEVELOPER DEC 2021- DEC 2022)**
 - ▶ Responsible for software systems that fulfill annual shipments of > 1 billion dollars that travels through the samsung.com/us website.
 - ▶ Owned the post-order confirmation lifecycle (forwards, returns, refusals) and optimized the returns workflow, reducing discrepancies by 80% through automation and real-time tracking
 - ▶ Worked on Internalizing fulfillment partners to reduce the overall time for delivery time by 40%
 - ▶ Participated in Samsung Hackathon'22 build a Decentralised Lottery software to mine blocks on ethereum test net for every order & using oracle chainlink decide the winner & generate a coupon for the same amount as of purchase order.
 - ▶ Implemented a Redis cache layer for available delivery dates and deliverable pincodes, optimizing data retrieval and reducing latency from 1600ms to 100ms
- **FULL STACK DEVELOPER, BOOKSCROLL, (MAY 2020- NOV 2021)**
 - ▶ Developed a **responsive** web platform using **Node.js**, **Express**, **MongoDb**, **HTML & CSS**, enabling fostering a peer-to-peer marketplace.
 - ▶ Implemented **containerization** with **Docker** and configured an **NGINX** layer, enhancing **application scalability, deployment efficiency, and security**.
 - ▶ Created load testing scripts, while employing **Chai.js** and **Jest.js** for quality assurance, ensuring the reliability of the application
 - ▶ Managed asynchronous processes with **RabbitMQ** by implementing **message queues**, and **optimized read** queries using **Redis** and **Elasticsearch**, reducing server load.
 - ▶ Developed **RESTful APIs** and integrated third-party services like **OAuth** for secure logins, **Stripe** for **payment processing**, and **SendGrid** for **email notifications**

Education

- Delhi Technological University, Delhi (Formerly DCE)
 - Bachelor of Technology(EEE)-6.0 (August 2016 - May 2020)
- Sahoday school, SDA Hauz Khas New Delhi
 - Senior Secondary School (86% Class XII), Secondary School (9.8 CGPA Class X).

Awards and Achievements:

- NTSE scholar : Scholarship program funded by the Government of India, 2013
- Certificate of merit by National Council of Educational Research and Training, 2014