

SKILLS SUMMARY

Programming Languages: Java | Python | C++ | JavaScript | HTML | CSS
Frameworks: Spring Boot | Express JS | Node JS | Angular | React | Django
Databases: Oracle SQL | PostgreSQL | SQL Server | MongoDB | Kafka | RabbitMQ | Redis
Technologies: REST APIs | AWS | Cloud Infrastructure | GIT | Postman | Docker | Kubernetes

EDUCATION

Masters in Computer Software Engineering (GPA: 3.9) Jan 2023 - Anticipated Dec 2024
Northeastern University, Boston, MA

Relevant Coursework: Application Engineering, Problem Solving using Data Structures and Algorithms, Cloud Computing, Big Data Applications & Indexing Techniques, Design Patterns, Data Modelling and Database Design

Bachelors in Computer Science and Engineering (GPA: 3.7) August 2016 - Nov 2020
GITAM University, Hyderabad, India

WORK EXPERIENCE

Northeastern University, Boston, Massachusetts Jan 2023 – Present
Teaching Assistant

- Led interactive coding sessions and resolved conceptual queries for 60+ students, ensuring adherence to **Design Patterns** and **Best Practices in Object Oriented Programming**
- Addressed conceptual queries and assisted students in understanding, thereby enhancing coding skills and **Software Design Proficiency**

Infosys Limited, Hyderabad, India Jan 2021 – Dec 2022
Specialist Programmer

Income Tax Portal:

- Engineered a pre-fill module for the [Tax Filing Portal](#), Government of India, serving 950M+ taxpayers; optimized data retrieval, using **SQL** and **RESTful APIs**, reducing filing time by 40%
- Developed a personalized tax portal login system with **Spring Boot** and **Hibernate**, enhancing data entry accuracy and increasing tax submission efficiency by 30%
- Architected a **Kafka**-driven data pipeline to transmit data from **Relational Database** to **Spring based Web Application**; boosting real-time data processing speed by 50%
- Designed a scalable **Spring Batch Application** processing 10,000 records/min, improving data computation speed and reducing latency by leveraging Hibernate for efficient Database interactions

Wanderlust Website:

- Orchestrated the development of a responsive travel booking website using **MEAN Stack (MongoDB, Express.js, Angular, Nodejs)**; enhanced user satisfaction, increasing bookings by 50%
- Adhered to the **Agile Methodologies** and **Scrum Framework**; identified technical challenges, conducted code reviews, and communicated with cross-disciplinary teams, such as Quality Assurance and Business Analysts
- Spearheaded the development of a high-performance, **fault-tolerant**, and **scalable** website; optimized communication mechanisms, achieving 30% faster response times
- Proposed **Lazy loading** and Angular **pipes** for efficient data processing; improved interaction speed by 40% and increased conversion rates by 15%

PROJECTS

- Scalable Web Application with Real-Time Analytics and Asynchronous Data Processing**
Implemented a scalable web application leveraging **Node.js**, **Elasticsearch**, **Redis** and **RabbitMQ**; Restructured CRUD operations with Google **OAuth2.0** authentication, ensuring data consistency and security in Redis NoSQL database; engineered a robust parent-child data indexing and integrated RabbitMQ for asynchronous message queuing
- An Operating System Simulation with Process Scheduling and File Management**
Built an interactive **OS simulation** in **C++** that dynamically responds to users commands, implementing critical scheduling algorithms(**Process Scheduling** and **Round Robin**) for efficient process management. Demonstrated proficiency in algorithm design, system programming and resource optimization

AWARDS AND ACHIEVEMENTS

- Product Hackathon ([Protothon](#) 5.0) Finalist at Northeastern University, analyzing real-time product challenges and proposing solutions for Discord's business growth – Mar 2024
- Awarded Certificate of Appreciation (Q3 – Sept 2022) in Infosys for adapting to challenges and enhancing processes at workplace