# VISHAL SIDDHA

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## EXPERIENCE

**Kratikal Tech Pvt. Ltd.** — **June 2023 – Present**
*Software Development Engineer* — *Noida, UP*

- **Led end-to-end development** of the Threatcop Admin (TA) portal, a centralized user and group management system spanning **4 enterprise applications**, reducing administrative overhead by approximately **40%** through unified user provisioning and access control.
- **Designed and implemented** a scalable database schema for Threatcop Admin, ensuring backward compatibility and data integrity. Successfully migrated user and group data from **4 separate systems**, eliminating data mismatches and achieving **100% consistency**.
- **Developed and deployed Single Sign-On (SSO)** functionality using industry-standard protocols. Enabled seamless authentication across all **4 unified applications**, enhancing user login efficiency by **75%**.
- **Synchronized Azure Active Directory and Google Workspace** with TA, enabling automated real-time user and group management. Reduced manual syncing efforts by **80%**.
- **Executed Azure Marketplace onboarding** for TA, facilitating streamlined client procurement and automated subscription lifecycle management via webhooks, reducing manual handling tasks by **60%**.
- **Created an Identity and Access Management (IAM) module** using Role-Based Access Control (RBAC), improving security compliance by **50%** and operational efficiency by **35%**.
- **Engineered RESTful API infrastructure** and connected it with frontend components, enabling seamless data communication and improving application responsiveness by **30%**.
- **Established a centralized license and package management system** in TA, ensuring **100% accuracy** across multi-application environments.
- **Resolved 58+ backend API issues** in the production system, increasing overall system stability by **75%** and enhancing maintainability through structured documentation.
- **Optimized backend database queries, routing logic, and frontend rendering workflows**, reducing latency and significantly improving response times and application performance.

## TECHNICAL SKILLS

**Languages**: C++, **JavaScript**, Java, **SQL**
**Frameworks & Technologies**: Node.js, Express.js, Spring Boot, Microservices, RESTful APIs
**Databases**: MySQL, MongoDB, Redis, ORM (Sequelize, Hibernate)
**Web Technologies**: HTML5, CSS3, React, Next.js, Redux, JSON
**Tools & Platforms**: AWS, Azure, GCP, Git, Postman, Jira
**Concepts**: Object-Oriented Programming (OOP), **Data Structures and Algorithms**, Multi-threading, **Design Patterns**, **Scalable Architecture**
**Coursework**: Object-Oriented Design, Data Structures and Algorithms, Database Management Systems

## ACHIEVEMENTS

- **Secured Global Rank 87** in CodeChef Starters Round 19 (Div. 3).
- **Achieved Rank 310** in CodeChef SnackDown Elimination Round (Div. 3).
- **Achieved a global rank of 899** among thousands of participants in Codeforces Round 794 (Div. 2).
- **Solved over 1000+ Data Structures and Algorithms (DSA) problems** across platforms including **LeetCode, GeeksforGeeks, CodeChef, and Codeforces**.

## EDUCATION

**Motilal Nehru National Institute of Technology (MNNIT), Allahabad** — **December 2020 – June 2023**
*Master of Computer Application (CGPA: 8.6/10)* — *Prayagraj, UP*

**Shaheed Sukhdev College of Business Studies (Delhi University)** — **December 2016 – June 2019**
*Bachelor of Science (Hons) in Computer Science* — *Delhi*

## CERTIFICATION

- Certificate of Getting Started with Spring Boot
- Certificate of Data Structure and Algorithms - Self-Paced (C++) by GFG