

# FNU SUMIT KUMAR

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## EDUCATION

### Master of Science in Computer Science

California State University – Dominguez Hills

Jan 2023 – Present

- **Relevant Courses:** Design & analysis of Algorithms, Software Engineering, Software Project Planning

### Bachelor of Technology in Computer Science

University Institute of Engineering & Technology, MD University – Rohtak, Haryana, India

Jul 2016 – May 2020

- **Relevant Courses:** Database Management Systems, Data Structures, Web Development

## SKILLS

**Languages:** Java, C, C++, JavaScript, HTML, CSS

**Frame Works & Libraries:** Node.js, Nest.JS, Spring Boot, MVC, React JS

**Databases:** MySQL, PostgreSQL, MongoDB

**Operating Systems:** Microsoft Windows, Linux

**Tools:** BODS, Eclipse, SQL Server Management Studio, VS Code, Notepad++, GitHub

## WORK EXPERIENCE

### ETL / Web Developer | IBM India Pvt Ltd

Bengaluru, India | Jun 2021 – Nov 2022

- Developed RESTful APIs and Demonstrated proficiency in designing and implementing secure authentication mechanisms, such as **OAuth2**, **JWT** (JSON Web Tokens), and other authentication/authorization mechanisms to secure APIs.
- Designed and optimized database schemas, and wrote complex SQL queries for efficient **CRUD** operations and data retrieval.
- Worked as ETL Developer (BODS Tool) for [SCHULMBERGER Project](#). An American oilfield services company.
- Managed the smooth transition and loading of data from legacy systems into SAP databases using BODS Tool.
- Developed BODS Interfaces & Implemented Slowly Changing Dimensions (SCD) for specific scenarios to ensure accurate data tracking, for various SAP functional Modules.
- Lead the Reporting team from initiation, installation, configuration, development & publishing of reports.

### Junior Web Developer | Enuke Software Pvt Ltd

Gurugram, India | Jul 2020 – Jun 2021

- Developed RESTful APIs using Node.JS to meet the dynamic requirements of various website and applications.
- Integrated third-party APIs into existing platforms, enhancing functionality and performance.
- Implemented robust security measures in Node.js applications, including authentication and authorization processes, enhancing the overall security posture and ensuring data confidentiality.
- Utilized **Git** for version control and **CI/CD** pipelines for automated deployments and continuous integration.
- Ensured robust database connectivity, employing advanced techniques for data integrity, query optimization, and Performance Tuning & Load Balancing, resulting in a 35% improvement in system performance.

### Intern | Nagarro Software Pvt Ltd

Bengaluru, India | Jan 2020 – Jun 2020

- Engaged in hands-on practice to develop proficiency in Java programming, focusing on key concepts such as object-oriented programming, data structures, and algorithms.
- Implemented **MVC (Model-View-Controller)** architecture to ensure clean separation of concerns and scalability.
- Learned and applied Java frameworks such as Spring Boot for building scalable back-end systems.
- Gained practical knowledge of integrating Java with databases using JDBC or Spring Boot.
- Collaborated using version control tools such as Git to effectively manage and collaborate on code repositories.
- Actively contributed to code optimization, ensuring efficient server-side operations and minimizing resource consumption.

## PROJECTS

### Covid-19 Test Booking Application – (C-19 Test Booking)

**Node.js, Express & MySQL**

- Spearheaded backend development using Node.js and MongoDB, establishing a robust foundation for the application.
- Designed a user-friendly application enabling remote COVID-19 test appointment booking to mitigate disease transmission.

### Food Ordering Application – (Food-Hub)

**Node.js, Express, MongoDB & JavaScript**

- Developed RESTful APIs for user authentication, menu operations, and order processing. Enhanced UX through dynamic web pages with HTML, CSS, and JavaScript, ensuring a seamless, visually appealing interface.
- Enabled live location tracking and integrated secure online payments, elevating app functionality and user convenient.