



# Sanchit Agarwal

## Software Engineer

Adaptable Web Developer & Data Analyst adept in NodeJS, MongoDB, SQL, Python, AWS Lambda, SQS, MS-Excel, and Power BI. Integrating coding proficiency with analytical tools for comprehensive data-driven solutions and impactful insights.

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## WORK EXPERIENCE

### Software Engineer Gemini Solutions Pvt Ltd

09/2021 - Present

Gurgaon

#### Responsibilities

- Developed and maintained **RESTful APIs** using **Node.js**, **Typescript**, and **Express.js**.
- Implemented robust **authentication** and **authorization** mechanisms leveraging industry-standard technologies, including **JSON Web Tokens (JWT)**.
- Worked closely with the product team to understand the company's business needs and requirements.
- Scripting**, Designing, and implementing complex database schemas using **MongoDB** and **MySQL**.
- Led a team of developers responsible for building and maintaining the company's backend infrastructure, which was built on **AWS**.

### Software Engineer Cila Labs

06/2021 - 08/2021

Bengaluru

#### Responsibilities

- Responsible for developing Rest APIs using **Golang** and **MongoDB**.
- Effectively managed and administered the database through **Python** and **SQL**, ensuring data accuracy, availability, and performance.
- Collaborate with the front-end development team to ensure seamless integration of back-end and front-end functionality.

## EDUCATION

### Post Graduation Diploma in Data Engineering

Indian Institute of technology, Jodhpur (IITJ)

08/2023 - Present

Jodhpur, India

### Bachelor of Technology (CSE) Sharda University

07/2017 - 06/2021

Greater Noida, India, 9.00

## SKILLS

MERN Stack

Python

C++

Javascript

Git

Typescript

MongodB

MS Excel

PowerBI

SQL

Redis

Postman

JWT and OAuth

AWS SQS

AWS Lambda

Numpy

Pandas

Matplotlib

Web Sockets

## PROJECTS

### General Insurance Servicing Portal (Node.js, MongoDB, SQL, Typescript, Redis, AWS SQS and Lambda)

- Responsible for developing and maintaining the backend systems of an insurance portal using the MERN Stack (MongoDB, Express.js, React.js, and Node.js).
- Responsible for building APIs, creating and managing databases, and integrating with external systems.
- Work closely with the front-end development team to ensure seamless integration between the user interface and the backend systems.
- Deployed applications to a production environment and provided a real-time troubleshooting environment.

### Service Helpdesk Portal (Node.js, MongoDB, JWT and OAuth)

- Streamlined user-centric platform facilitating efficient ticket management, issue resolution, and seamless communication for enhanced customer support.
- Led the team of backend developers by providing guidance and support to growth and development.
- Managed source code using **Git**, ensuring efficient team collaboration and codebase management.

## ACHIEVEMENTS

### Scalable Backend Architecture Optimization with 30% API Response Time Reduction

Designed and implemented a scalable backend architecture, reducing API response times by 30% and ensuring seamless performance for a user.

### Code Review and Quality Improvement Achievement

Conducted code reviews and provided constructive feedback to other developers, resulting in a 20% increase in code quality.