

Sujal Kumar Sahni

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EDUCATION

National Institute of Technology Karnataka

Bachelor of Technology

Surathkal

Nov 2022 – May 2026

Guru Nanak Public School Bidar

Senior Secondary (CBSE)

Bidar

Jun 2019 – Mar 2021

Kendriya Vidyalaya AFS Bidar

Matriculation (CBSE)

Bidar

Jun 2019

PROJECTS

Ticket Booking System | *Java, OOP, JSON* | [🐙 GitHub](#)

- Designed a low-level Java ticket booking system using modular OOP principles to simulate real-world booking workflows.
- Implemented file-based persistence with JSON to manage user profiles and ticket inventories without a database.
- Structured core components (User, Booking, Ticket) for clear separation of concerns and easy extensibility.

Custom Web Server | *Java, Sockets, Threading* | [🐙 GitHub](#)

- Developed an HTTP server in Java supporting single-threaded, multi-threaded, and thread-pool architectures.
- Handled HTTP GET/POST requests and static file serving via low-level socket programming.
- Demonstrated expertise in concurrency and networking by managing thread synchronization and resource pooling.

Authentication Service | *Spring Boot, JWT, MySQL* | [🐙 GitHub](#)

- Built a stateless JWT authentication and authorization API with Spring Boot and Spring Security.
- Implemented role-based access control and secure password hashing (BCrypt) via a custom `UserDetailsService`.
- Integrated MySQL with JPA/Hibernate for persistent user and role management in a production-ready setup.

TECHNICAL SKILLS

Languages: Java , Python , C++

Frameworks: Spring Boot

Developer Tools: AWS , Docker , Kafka , RabbitMQ

Coding Profiles : LeetCode, CodeForces

KEY COURSES TAKEN

Introduction to Python Programming, Machine Learning

POSITIONS OF RESPONSIBILITY

Media Manager

E-Cell NITK

Media and Content Creation

Apr 2022 – Present

- Managed a team of media executives to create and schedule Instagram posts for Ecell, resulting in a 30% increase in follower engagement and a 10% growth in follower count over three months.
- Led the media team for the E-Summit Event, designing and publishing promotional posts and banners, contributing to a successful event with over 300 attendees.

Volunteer

NSS NITK

Organising Team Member

Apr 2022 – Present

- Assisted in organizing NSS events, contributing to the planning and coordination of activities.
- Participated in campus cleanup drives helping to maintain a clean and sustainable campus environment.