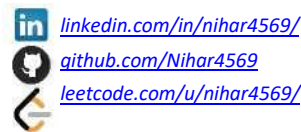


# Nihar Ranjan Sahu

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## SUMMARY

Software Engineer with 3 years of experience in full-stack development, cloud technologies, and Java programming. Adept at designing, building, and supporting applications to meet business requirements. Winner of the Smart India Hackathon 2022, demonstrating strong problem-solving skills and a passion for technology. Enthusiastic about coding, eager to tackle impactful projects, and contribute to team success in dynamic environments.

## EDUCATION

<b>B.Tech in Computer Science and Engineering</b>   Siksha 'O' Anusandhan   8.34 CGPA	2021- 2025
<b>12th Class CBSE</b>   Sri Chaitanya Techno School   Visakhapatnam	2019 - 2021
<b>10th Class CBSE</b>   Sri Sathya Sai Vidya Mandir   Bhawanipatna	2019

## SKILLS

**Programming Languages:** C and JAVA (Proficient), JavaScript (Intermediate), Python (Beginner), Kotlin (Intermediate)

**Database and Language:** Experience in MongoDB, MySQL, SQL (Intermediate)

**Frameworks:** Working experience in React JS, Express JS, Node JS, Bootstrap, jQuery

**Version Control Tools and IDE:** Git, Github, Visual Studio Code, Eclipse, Android Studio, Cisco Packet Tracer (CPT), AWS **Course Work:**

Database Management System, Object-Oriented, Computer Networks, Operating Systems, Data Structures and Algorithms

**SOFT Skills:** Collaboration, Communication, Planning, Teamwork, Time Management, Leadership

## PROJECTS

**Integrated annual academic calendar for all the Indian universities:-** [Github](#) | [Website](#). (SIH 2022 Win Project)

- Developed a centralized academic calendar project for Indian Universities.
- Implemented an event management system for regulatory control, promoting cooperation and meeting government regulations.
- Introduced an event management feature, allowing universities & government bodies to add, update, or delete specific events.
- Tech stack used:** HTML, CSS, PHP, JavaScript, MySQL

**Classroom Management-** [GitHub](#) | [Website](#)

- Built a real-time classroom communication platform with React, Firebase, Socket.io, Chakra UI and Node JS
- Developed super admin features to verify teachers or block access to ongoing classes, teachers, or students in real-time.
- Implemented screen sharing with audio, allowing teachers and students to share their screen in real-time.
- When student login they automatically redirected to their respective Classrooms according to the subjects.
- Enabled real-time messaging and file sharing within classrooms.
- Tech stack used:** React, Firebase, Socket.io, Chakra UI, Node JS, Express JS

**AI Career Navigator:-** [GitHub](#)

- Led the development of a web-based Career Recommendation System using Python, Flask & machine learning for personalized career guidance.
- Leveraged AI-driven analysis to recommend job descriptions, educational pathways, & salary insights, enhancing users' decision-making capabilities.
- Catered to high school & college students, along with career counsellors, offering valuable resources for informed career choices.
- Ensured system accuracy with a robust aptitude test module & recommended additional Educational Materials for deeper career Insights.

## ACHIEVEMENTS

- Smart India Hackathon 2022 National Winner** [Certificate](#) (Problem Statement ID-DR717 Ministry of Education )
  - More than 5 Lakh students participated nationwide.
  - SIH 2022 participation reshaped our mindset & approach to projects.
  - We excelled in a 36-hour project despite starting with minimal knowledge.
  - Our journey reflects a transformation from initial inexperience to acquiring significant expertise.
  - Solving For India Hackathon By Geeks for Geeks | AMD

## ORGANIZATION & CLUBS

- Google Developer Student Club
- Coordinator of Boys Hostel with above 1200 Boarders.