

# SANJEET SINGH

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## WORK EXPERIENCE / INTERSHIPS

BLUESTOCK FINTECH | **Tech Stack:** JavaScript, Firebase Auth, Firebase RTD, Bootstrap

Remote

**Software Development Engineer (SDE) Intern | Team Leader**

Aug 2024 - Sept 2024

- Led a team of **4** developers to build and deploy an IPO Web Application used by **500+** users.
- Developed secure email and password authentication, reducing unauthorized login attempts by **30%**.
- Integrated **Google Sign-In**, resulting in **40%** faster login times and a **15%** increase in user retention.
- Deployed **reCAPTCHA** verification, enhancing security by blocking **100+** automated login attempts in the first month.

## PROJECTS

**PULSEVOTE – A Secure Voting App** | **Tech Stack:** Node.js, Express.js, MongoDB, Mongoose, JWT

[GitHub](#) 

- Established user authentication using Aadhar Card Number and password with secure **JWT** based authentication.
- Implemented sign-up and login functionalities, reducing authentication processing time by **30%**.
- Formulated **10+** API endpoints for managing candidates, allowing admins to add, update, and delete records.
- Tracked real-time vote tallies with an accuracy rate of **100%**, providing transparent election results.
- Restricted user and admin roles, ensuring voting access to users only and candidate management for admins.
- Delivered user profile management features, including profile viewing and password updates.

**CHECKMATE.IO – A Real-Time Chess** | **Tech Stack:** Node.js, Express.js, EJS, JavaScript, Socket.io, Tailwind CSS

[GitHub](#) 

- Facilitated **real-time multiplayer** gameplay using **Socket.io**, enabling 2 players to compete simultaneously.
- Designed a **drag-and-drop** functionality for moving chess pieces, reducing move time by **20%**.
- Assigned distinct player roles for white and black to enhance user experience.
- Built a spectator mode, allowing additional users to spectate the game.
- Utilized the **Chess.js** library to verify **100%** legal moves and display the current state of the board accurately.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript

**Web Technologies:** RESTful APIs, HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI, JWT, JSON, Socket.io

**Databases:** MongoDB, SQL, MySQL, PostgreSQL, Firebase

**Frameworks/Libraries:** Node.js, Express.js, React.js, Mongoose

**Version Control/Other Tools:** Git, GitHub, Postman

## EDUCATION

**HALDIA INSTITUTE OF TECHNOLOGY**

Purba Medinipur, West Bengal

Bachelor of Technology in Computer Science and Engineering

Sept 2021 - Jun 2025

Specialization in Artificial Intelligence and Machine Learning

**CGPA: 8.10**

## POSITIONS OF RESPONSIBILITY

- **Member, Computer Society of India (CSI)** – Participated in 10+ technical events, workshops, and seminars, gaining hands-on experience with industry-relevant skills.

## EXTRA-CURRICULAR ACHIEVEMENTS / CERTIFICATIONS

- **Two-time Winner** out of **700+** students in the Kimo Tech Competition.
- Achieved a **4 Star Badge** in **MySQL** on HackerRank.
- Certified in **Python 3 Programming**  and **Web Design for everybody**  from Coursera with **90%+** grades in both