

# HIMANSHU SAINI

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## PROFESSIONAL EXPERIENCE

### Hobit Technologies, Faridabad, Haryana: SDE Intern

Jan 2024 – July 2024

- Redesigned Hobit Mobile App, boosting user engagement by **30%** and Play Store rating from **2 to 4.1 stars**
- Implemented **Posenet AI Model** in fitness classes to generate AI based fitness reports.
- Developed efficient algorithms for **real-time energy and body heat tracking** in fitness classes.

### Unlock Velocity, Faridabad, Haryana: SDE Intern

Feb 2022 – Oct 2022

- Delivered Admin Panel project built with Reactjs
- Developed 30-40 REST APIs with ExpressJS and PostgreSQL, implemented in a Flutter mobile application.

## EDUCATION

### B.Tech, Computer Engineering

Graduating July 2024

J.C. Bose University of Science and Technology

7.96 CGPA

Faridabad, Haryana

Relevant coursework: Data Structures & Algorithms, Operating System, Design and analysis of algorithms, Computer Networks, Computer Organisation & Architecture

## TECHNICAL SKILLS

**Data Structures and Algorithms:** Data Structures and Algorithms with Java

**Programming Languages:** Python, JavaScript, C/C++, SQL, Java, Dart, TypeScript, HTML

**Web Technologies:** React.js, Node.js, Next.js, Vue.js, Express.js

**Mobile App Development:** React Native, Flutter

## PROJECTS

### Bill Mi - Invoice Manager for Xiaomi Ode2Code - Source Code

Participated in Xiaomi Ode2Code, solved problem of a cross platform billing solution.

- Utilised NextJs to develop a full stack billing web app.
- Beautiful & fully responsive UI with features like 2FA verification, auto-detect store location
- Generates PDFs of invoices, provides analytics using graphs

### Red Light Green Light Game in Python (Squid Game) - Source Code

Worked collaboratively with a team member to develop an interactive game for the university's Induction Program.

- Used Mediapipe to detect Human Pose and 33 Body Keypoints of Players (Python).
- **Impact:** Game played by 100+ players on university's induction day

## OPEN SOURCE

### NPM Package, React Native: react-native-human-pose

- Contributed open-source solution for integrating Human Pose Estimation into React Native apps.
- **Blog Post: Human Pose Detection in React Native: Develop a mobile application to count squats in real-time**

## ACHIEVEMENTS

- **1st Position** in Hacked Hackathon organized by BML Munjal University among 50+ teams
- **1st Position** in Capture The Flag competition at Tech Aramabh Hackathon by GeeksForGeeks.
- **2nd Position** in Responsive Vantage Web Development Hackathon by GGSIPU.
- **3rd Position** in The Chosen One CTF competition at InfoXpression 2022-23 by USICT, GGSIPU.
- **3rd Position** in Chunnauti - Solutions for SIH22, a University Level Hackathon.
- **100+ DSA** Problems on LeetCode.
- Nominated for **Innovation Award** for Digital ID Card concept by DSW, JC Bose University.
- Completed all 4 levels of Hacktoberfest 2022 with **6 open source contributions**
- Conducted Cybersecurity Workshop with Vulnerable Lab and CTF Competition, attended by **50 students**.