Aryan Singh Thakur

Web-Developer

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Github   Linkdin   Portfolio

I am a passionate tech enthusiast pursuing BCA from GGSIPU with a strong focus on Full Stack Web Development and IoT innovations. I have successfully led national-level hackathon teams to the Grand Finale, including Smart India Hackathon (JourneyPlanner) and Smart Delhi Ideathon (Smart Bin).

I specialize in building scalable web apps (ReactJS, NodeJS, MongoDB) and smart IoT-based solutions, combining technology with real-world impact. Recently, I developed "MindMitra," an AI-powered multilingual mental health chatbot at the SGU Hackathon.

With proven leadership, project execution under pressure, and a strong problem-solving mindset, I am continuously growing to create meaningful tech solutions that drive positive change.

AREA OF EXPERTISE

- **Full-Stack Web Development**: Proficient in ReactJS, NodeJS, ExpressJS, and MongoDB for building scalable and dynamic applications.

- **Frontend Technologies**: Expertise in HTML, CSS, JavaScript, and modern UI frameworks like MaterialUI and Bootstrap.

- **Backend Development**: Strong foundation in RESTful APIs, server-side logic, and database integration using NodeJS and ExpressJS.

- **IoT Solutions**: Working knowledge of integrating IoT devices for innovative projects like Smart Bin with weight measurement and data tracking.

- **Database Management**: Experience with relational and non-relational databases, including MySQL and MongoDB.

- **Version Control**: Proficient in Git/GitHub for collaborative development and code management.

- **Problem-Solving**: Strong analytical skills to identify issues and implement efficient solutions.

- **Project Management**: Leadership and organizational skills developed through team projects and hackathon experiences.

HACKATHON PROJECTS

- **Smart India Hackathon (SIH) 2024**
  JourneyPlanner — Smart India Hackathon (SIH) 2024 — Grand Finale
  Role: Team Leader and Full-Stack Developer
  Tech Stack: ReactJS, NodeJS, MongoDB

  Description:
  Designed and developed "JourneyPlanner," a smart travel planning web application optimizing real-time journeys.
  Achieved Grand Finale selection among 500+ competing teams at the national level.

- **Smart Delhi Ideathon (SDI) 2025**
  Smart Bin — Zero Waste in Smart Delhi Ideathon (SDI) 2025 — Grand Finale
  Role: Team Leader and Frontend Developer
  Tech Stack: ReactJS, UI

  Description:
  Built an IoT-based Smart Bin capable of real-time waste weight tracking and gamified user engagement through a leaderboard system.
  Selected among top 6 teams from 120+ participating teams across Delhi.

- **SGU Hackathon 2025**
  MindMitra — SGU Hackathon 2025 — Finalist
  Role: Team Leader and Full Stack Developer
  Tech Stack: ReactJS, Flask, MongoDB, Google Translate API

  Description:
  Developed "MindMitra," a multilingual, emotion-aware mental health chatbot web application with AI-driven conversation features.
  Enabled voice recognition, emotion detection, and multi-language support for inclusive mental health assistance.

KEY ACHIEVEMENTS

- **Smart India Hackathon (SIH) 2024:**
  Successfully led a team to the Grand Finale out of 500 competing teams.
  Developed and presented an innovative project, *JourneyPlanner*, showcasing exceptional leadership and technical skills.
- **Zero Waste in Smart Delhi Ideathon 2025:**
  Led a team that was selected for the Grand Finale among 120 teams.
  Conceptualized and developed a *Smart Bin* project with IoT integration, gamification features, and real-time data tracking to promote environmental sustainability.
- **Web Development Projects:**
  Designed and deployed multiple full-stack web applications using technologies like ReactJS, NodeJS, and MongoDB.

EDUCATION

- **Bachelor of Computer Applications (BCA)**
  Kasturi Ram College of Higher Education, GGSIPU   **Year: 2023 – Present**

- **Key Courses:**
  Web Development, Database Management, Data Structures, and IoT Fundamentals

- **Achievements:**
  Smart India Hackathon (SIH) 2024 Team Leader for the Grand Finale team, selected from 500 teams.
  Zero Waste in Smart Delhi Ideathon 2025 Led a Grand Finale team, selected from 120 teams.

- **Higher Secondary Education (Class 12)**
  Sant Sujan Singh Ji International School   **Year: [2023]**
  Board: CBSE
  Stream: Commerce with Maths

- **Secondary Education (Class 10)**
  Sant Sujan Singh Ji International School   **Year: [2021]**
  Board: CBSE