Balvinder Singh

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EDUCATION

Netaji Subhas University of Technology June 2025
B. Tech in Computer Science with Specialisation in AI
Courses: Data Structures & Algorithms, Discrete Math,
Web-Development, Probability & Statistics, Object-Oriented Programming

WORK EXPERIENCE

Mahindra Logistics | *SDE Intern* Feb. 2024 – April 2024
- Completely revamped LogiPulse - Mahindra's KPI monitoring software for warehouses
- Developed user-friendly frontend using modern frameworks
- Implemented industry-level practices for version control

SSPS Global Pvt. Ltd. | *Business Intern — Founder's Office* June 2023 – July 2023
- Worked alongside the CEO to understand and analyze the company's future prospects
- Analysed company's expenditure to ensure positive cashflows
- Prepared an exhaustive report for future expansions

SKILLS

Languages: C/C++, Python, JavaScript/TypeScript, HTML/CSS,
Web Development: React.Js, Next.Js, RTK, TypeScript, ShadCN, Node.Js
Database Management: MySql, MongoDB
Version Control: Git, GitHub

PROJECTS

Gym-Fyt | *Next.js, Material-UI, TypeScript, Tailwind —* Visit Website
- Implemented an application to provide users with a comprehensive resource for finding specific exercises.
- Integrated advanced search functionalities to reduce friction during exercise lookup, enhancing user experience.
- Utilized Tailwind CSS for efficient styling and ensured cross-browser compatibility for seamless accessibility.

Portfolio Website | *Next.js, Aceternity UI, TypeScript, Tailwind —* Visit Website
- Developed a personal portfolio website, focusing on clean design and smooth user interactions.
- Implemented TypeScript for type safety and utilized Tailwind CSS for streamlined styling and responsiveness.
- Deployed the site on Vercel with DNS hosting via Porkbun to ensure fast and reliable performance.

LogiPulse | *Next.js, TypeScript, MySQL, Node.js, React —* Visit Website
- Led the development of LogiPulse, an award-winning application created for the Mahindra Catapult Techathon.
- Designed and implemented a robust workflow optimization tool for MLL Warehouses.
- Adhered to industry-leading coding standards and practices to ensure scalability, maintainability, and performance.

AWARDS & ACHIEVEMENTS

- Secured first postion in Mahindra Logistics Catapult Techathon.
- Among top 30 teams selected for Smart India Hackathon.
- Finalists in HackBVICAM, InnovateX Hackathon, HackNSUT & SRMHacks.

RESEARCH WORK

Recreating Squid Games | *Read Report*
Detection of IoT Botnet Attacks using Deep Learning | *Read Report*

POSITION OF RESPONSIBILITY

- **Head Graphic Designer & Society Outreach** | *e-Cell NSUT*
- **Secretary** | *Finance & Economics Society, NSUT*