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, Compiler Design, Artificial Intelligence, Machine-Learning, Deep-Learning

WORK EXPERIENCE

Mahindra Logistics | *SDE Intern* — Feb. 2024 – April 2024
- Completely revamped **LogiPulse - Mahindra's KPI** monitoring software for warehouses
- Developed user-friendly frontend, reducing data-operator's time by **80%** using **efficient keybindings.**
- Utilised **client and server-side rendering** for reduced server load and **optimised state management.**
- Deployed the product on company's custom **CI/CD pipelines** for **version control and real-time debugging.**

SKILLS

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

PROJECTS

Gym-Fyt | *Next.js, Material-UI, TypeScript, Tailwind* — Visit Website
- Developed an application to provide users with a **comprehensive resource** for finding specific exercises.
- Integrated **API calls** for data fetching and search functionality for faster lookup.
- Utilized Tailwind CSS for **responsive styling and ensured cross-browser compatibility** for seamless accessibility.

Portfolio Website | *Next.js, Aceternity UI, TypeScript, Tailwind* — Visit Website
- Developed a personal portfolio website, showcasing **best projects and relevant work-experience.**
- Implemented **TypeScript for type safety** and utilized **Tailwind CSS for responsive designs.**
- Deployed the site on Vercel with **DNS hosting via Porkbun** to ensure fast and reliable performance.

LogiPulse | *Next.js, TypeScript, MySQL, Node.js, React* — Internship Project
- Led the development of an **Logi-Pulse** award-winning application created for the **Mahindra Logistics.**
- Ensured **version-control, rosponsiveness and industry-standards** are met during development.
- Handled bulk data processing with option to **export/import files with additional type-safety.**

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.**
- Contingent leader for **eSummit - IITBombay**, secured **8+ prizes.**

RESEARCH WORK

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

POSITION OF RESPONSIBILITY

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