

JASMINE KAUR

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Education

Dr BR Ambedkar National Institute of Technology

2022 – 2026

Bachelor of Technology in Electronics and Communication Engineering

CGPA: 8.08/10 (up to 6th sem)

Experience

Bharat Electronics Limited (BEL PANCHKULA)

June 2025 – July 2025

Intern - On-Site

- Worked across SMT-based Advanced Manufacturing, Jammers Division, and HUD Avionics; gained hands-on experience in signal interference, RF testing techniques, and electronic warfare systems. Observed PCB production workflows (Solder Jet Printing, Pick-and-Place, Reflow, AOI), studied GSM/CDMA-based jammers (Classroom/Prison types, N40/N78 modules, 3ft antenna placement), and CAT-RIU communication systems.

Bytoeski Developers

Jan 2024 – November 2024

Software Engineering Intern

Remote

- Led a team to develop SaaS products, building scalable web applications.
- Extractopus.com**: Platform for locating professionals (*Next.js*, *Tailwind CSS*, *PostgreSQL*).

Projects

Gurbani AI Chatbot

Jan 2024

- End-to-end chatbot for Sikh religious queries using **Next.js** and **Python**.
- Handled both frontend and backend logic with real-time query handling.
- Deployed live at **mygurbani.org** for instant access to spiritual resources.

E2A Conference Website

Dept of ICE

- Led UI/UX design; created over 5 pages for both desktop and mobile platforms using **Figma**.
- Developed interface using **Next.js** and **Tailwind CSS** in a 3-member dev team.

GenSolve Curvetopia

Adobe Hackathon

- Built a Deep Learning model to beautify irregular 2D curves, restore symmetry, and perform curve completion.
- Generated synthetic datasets and trained using CNN to reach 98% accuracy within 20 epochs.
- Converted output to cubic Bézier format for SVG rendering.

TrustLink — Unified RFID, AI, and Blockchain Solution

Walmart Sparkathon (Next.js, Tailwind CSS)

- Developed a transparency-driven system integrating RFID tracking, AI-powered computer vision, and blockchain.
- Tracked inventory movement in real-time and stored logs immutably on-chain.

Technical Skills

Languages: HTML, CSS, JavaScript, Python, MySQL, PostgreSQL, TypeScript, MongoDB(Intermediate), MLOps

Developer Tools: Figma, VS Code, Git, Google Cloud Platform, LINUX, POSTMAN, TABLEAU

Frameworks: Next.js, Express.js, React.js, NodeJS, PANDAS

Courses: C, Data Structures, DBMS, OS, CN (COMPUTER NETWORKS), Cloud Computing (in progress)

Positions Of Responsibility

E-Cell NITJ

Jan 2023 – Present

Co-Head

- Organized IPL Auction and quizzes, boosting engagement.
- Developed website/graphics to improve event visibility.

RTist NITJ

Jan 2023 – Present

Developer

- Represented RTist NITJ at IITB Techfest - Meshmerize, showcasing technical innovations.

Achievements

Amongst Top-50 in Adobe GenSolve Hackathon

Achieved top 7% ranking in CDAO competition among 17,000+ projects (2023).

1st Runner Up in Flexicraft organized by GDSC NITJ (2023).

Finalist in hackmol 4.0 with AYURBUDDY (2023).

Buildspace S5 - GAUDMIRE (2024).

Contributor to GGSOC (2024).