NANDANI KUMARI

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EDUCATION

Arka Jain University   *August 2023 - August 2026*
Bachelor of Technology (B.Tech)   CGPA: 8.00
Computer Science Engineering

Nettur Technical Training Foundation : NTTF   *July 2018 - July 2021*
Diploma in Mechatronics   CGPA: 8.14

PROJECTS

Santhali-English Translation System https://github.com/Prerna084/santhali-translator.git

- Designed and developed a full-stack web application enabling Santhali-English translation for 2000 potential users, supporting tribal language preservation.

- Engineered a custom Santhali keyboard and integrated translation suggestion, update, and feedback workflows, improving translation accuracy by 30% based on user feedback.

- Implemented Excel export for feedback analytics using `xlsx`, processing 500+ feedback entries with seamless Firebase real-time database synchronization.

- Built a responsive and animated UI using React, Tailwind CSS, and Framer Motion, achieving a 1-second load time and improving user engagement by 40%.

- Collaborated on a government-backed initiative to enhance regional language accessibility for underserved communities.

StayHub - MERN Booking Platform https://github.com/nandani013/StayHub-mern.git

- Developed StayHub, an Airbnb-inspired MERN stack accommodation booking platform with location, date, and guest-based search.

- Built a pixel-perfect, responsive UI using React, Vite, and Tailwind CSS, closely replicating real-world Airbnb UX.

- Implemented global search state management using React Context API for location, dates, and guest selection.

- Created RESTful APIs with Node.js and Express, and managed data using MongoDB with Mongoose.

- Integrated JWT-based authentication and user account features, and deployed the application using GitHub and Vercel.

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TECHNICAL STRENGTHS

Programming Languages :	Java, JavaScript, CSS, HTML, SQL
Libraries and Frameworks :	React.js, Node.js, Express.js, Tailwind CSS
Computer Science Fundamentals :	DSA, OOPs, Operating Systems, DBMS
Tools and Databases :	Git, GitHub, MongoDB, Mongoose, Vite, Postman

WORK EXPERIENCE

National Institute of Technology Jamshedpur   June 2025 - August 2025
Web Development

· Worked on a full-stack web application for real-time English-Santhali translation under a government-backed research initiative. Built a custom Santhali keyboard, feedback workflows, and analytics with Excel export using Firebase, improving translation accuracy by 30 percent. Built a responsive UI using React, Tailwind CSS, and Framer Motion, achieving a 1-second load time and increasing user engagement by 40 percent.

Tata Electronics Private Limited   October 2021 - June 2023
Mechanical Design Engineer

· Hands-on experience in CNC machine operations, including setup, G-code programming, and process monitoring, with strong skills in 2D drafting and 3D modeling using Siemens NX, CAD design, and precision machining workflows.

ACADEMIC ACHIEVEMENTS

- Secured 7th position out of 150+ teams in HackHorizon.

- Solved 200+ DSA problem-solving questions through regular practice on Take U Forward (TUF).

- Successfully cleared the NPTEL course Data Structures and Algorithms using Java.