

NANDAN VARMA PERICHARLA

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EDUCATION

Master of Science in Computer Science

Seattle University, Seattle, WA

College of Science & Engineering

Relevant Coursework: AI, ML, Distributed Systems, Software Engineering

Expected Graduation: Mar 2026

GPA: 3.5/4.0

Bachelor of Technology in Computer Science with Data Science

Jawaharlal Nehru Technological University, Hyderabad, India

BV Raju Institute of Technology

Relevant Coursework: AI, ML, Big Data Analytics, Web Development

August 2024

GPA: 8.23/10

TECHNICAL SKILLS

Programming Languages: Typescript/Javascript, Python, C/C++, Java, PHP, SQL, C#, Rust, Shell Scripting

Technologies & Tools: Web Development, Full Stack Development, UI/UX Design, Linux, Azure, AWS, GCP, Docker, Git, CI/CD

Skills - Soft Skills: No soft skills found. Consider adding relevant soft skills.

Skills - Languages: No languages found. Consider adding relevant languages.

PROFESSIONAL EXPERIENCE

Associate Engineer Intern, Highspot, Seattle, WA

July - September 2025

- Researched, prototyped and implemented a new AI Initiative.
- Implemented LLM tool call functions to many internal parts of the software.
- Implemented Inline summarization features and Chat Layout to interact with software in natural language.
- *Technologies: React, Express, AI, LLM, AI SDK.*

ACADEMIC LEADERSHIP & EXTRACURRICULARS

Technical Coordinator: Metarics - Data Science Club, BVRIT

2021–2024

- Organized and maintained event-specific webpages and registration forms, boosting event participation by 30%.
- Led the evaluation team for 4 hackathons, assessing 150+ project submissions and providing constructive feedback.
- *Technologies: Next.js, React, Event Management Tools.*

Team Lead: Smart India Hackathon, India

2022–2023

- Spearheaded the development of an emergency services app for women's safety using React Native.
- Directed a team of 6, delivering a cross-platform app meeting government specifications within strict deadlines.
- *Technologies: React Native, Firebase, Agile Project Management.*

Event Coordinator: Promethean Event, BVRIT

2023–2024

- Organized "Code Breakers 2023," a bug-hunting competition with 100+ participants, enhancing debugging skills.
- Initiated "Agro Tech Biz Building 2024," focusing on data science solutions for agriculture needs with 200+ submissions.
- *Technologies: Google Sheets, Python, Team Management Tools.*

PROJECTS

RepLog - Fitness application

Sept. 2024

RepLog- GitHub

- Developed Open-Source, Privacy-friendly, Local-first, and AI integrated Fitness Planning Application.
- Light-weight, Intuitive UI and Adaptive User Experience.
- Single handedly Designed, Developed with CI/CD and Over-the-air updates to publish application to playstore for open testing.
- *Technologies: React-Native, TypeScript, SQLite.*

Friday AI - AI-Integrated Calendar Planner (Beta)

Sept. 2024

friday.NandanVarma.com

- Designed an AI-powered calendar planner to streamline scheduling with conversational inputs and intelligent automation.
- Led a team of 3 developers, focusing on back-end API integration and front-end UI design for an intuitive user experience.
- Improved task efficiency by 30% by automating event scheduling processes, reducing manual effort and errors.
- *Technologies: TypeScript, OpenAI API, Google Calendar API, Next.js, React, PostgreSQL.*

Music Application – Streaming & Downloading Platform

Oct. 2023

songs.NandanVarma.com

- Developed a music streaming application with features such as playlists, albums, and downloading, utilizing reverse-engineered APIs for a well-rounded user experience.
- Contributed as a backend developer on a team of 4, focusing on API integrations and ensuring database synchronization for seamless user experiences.
- Delivered a secure and user-centric platform, adhering to privacy-first principles.
- *Technologies: Next.js, React, Express.*

Handwriting Generation – Automated PDF Tool

Jun. 2023

writing.NandanVarma.com

- Built a tool to convert plain text into handwritten text PDFs with customization options for font size, color, and margins.
- Operated as the sole developer, handling both frontend and backend development, achieving 85% user satisfaction based on feedback.
- Designed a user-friendly interface and efficient PDF generation workflow, enabling diverse personalization needs, with optimized web performance
- *Technologies: Next.js, React.js, PDF Utils, Font Rendering, File Handling.*

Productivity - Store your thoughts while you browse

Aug. 2023

prod.nandanvarma.com

- Built a productivity tool to store ToDos, Notes which syncs across devices with browser extension to manage them while you browse.
- Implemented authentication, database sync, and features like sync, cookies, and even more features currently in beta.
- *Technologies: Next.js, React, PostgreSQL, Google Cloud Platform.*

Chess Website - Play Online with AI, Friends, and Over-the-Board

Aug. 2022

chess.nandanvarma.com

- Developed a responsive chess platform that supports online play with AI, friends via shareable links, and over-the-board, including undo/redo functionality.
- Implemented secure authentication, user account management, and features like game state persistence, real-time updates, and seamless multiplayer sharing.
- *Technologies: Next.js, React, Google Cloud Platform.*

For more projects, visit nandanvarma.com/projects.