

# NANDAN N

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## EDUCATION

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**Bachelor of Technology, Computer Science** Pes University Expected 2025

Member of Center of Innovation and Entrepreneurship (CIE)

**Relevant Coursework:** Python for Computational Problem Solving; Elements of Electrical Engineering; Engineering Mathematics 1; Mechanical Engineering Sciences; Engineering Physics; Problem Solving with C; Engineering Mechanics Statics; Electronic principles and Systems; Engineering Mathematics 2; Digital Design and Computer Organisation; Data Structures; Statistics for Data Science; Web Technologies; Automata, Formal Language and Logic.

## SKILLS

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**Languages** C, Python, HTML/CSS, JavaScript, LaTeX

**Tools and Frameworks** Linux, Git, Flask, React, OpenCV, GIS, ROS, Selenium, Tensorflow

## EXPERIENCE

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**Lead Web Developer**

Minerva Club

July 2022 - present

*Pes University*

- Built and implemented a website from scratch using MERN stack

## PROJECTS

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### 8 Bit Computer

Implemented a 8-bit General Purpose Computer on FPGA board having load-store architecture using Verilog HDL

- Built a memory module and an ALU with CLA adder and Booth
- Implemented Recursive function calls and the General Purpose Computer could run programs and display results through LED
- Implemented an Interpreted and Compiler for the programs to be run on this General Purpose Computer
- Chosen as one of the best projects in the course

### Help support website.

Built a free website for the "Hands of Hope" NGO foundation, with features like Chat system, mental health resources and stress tests. This website was selected as one of the top 3 projects in "Haul it away", an annual hackathon.

### Git System

Built a local git system that do various standard functions like create a repository, commit, and push itself to GitHub

## EXTRA-CURRICULAR ACTIVITIES

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- **Writer and Reporter**

Writer at "FYI", university newsletter. Reporter of college annual fest, Aatmatrishya '22.

- **Quiz member, Quiz Quotient Corps club.**

Have participated in various quiz tournaments across campus and other Universities.

## HONOURS

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- **24th APRSAF Space Conference**

Hosted by ISRO, India and JAXA, Japan

Represented my nation India in front of 13 other asian pacific nations in the water rocket competition associated with the space conference, while learning under ISRO.

## LANGUAGES

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- **Kannada, English, Sanskrit, Hindi, Telugu, Spanish, Japanese**

(Domain head member of Linguista, language learning club of the University)

## CERTIFICATION COURSES

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- **Supervised Machine Learning: Regression and Classification**

Andrew Ng, Coursera

- **Unsupervised Learning, Recommenders, Reinforcement Learning**

Andrew Ng, Coursera

- **Advanced Learning Algorithms**

Andrew Ng, Coursera

- **Digital Marketing**

Google

- **Integrated Robotics and Applied Computer Vision**

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