Kapil Nila

+91-9834348458
Email:nilakapil1@gmail.com
LinkedIn: Kapil Nila

Bachelor of Technology (EE)
Indian Institute of Technology, Ropar
JEE: Top 2% in Advanced, Top 1% in Main

EDUCATION

- **Indian Institute of Technology Ropar** Jan *2025*

  Bachelor of Technology; GPA: 6/10 Rupnagar, Punjab

  Coursework: Data structure & algorithms, Matlab, Digital IC Design , Machine Learning
- 12th HSC - 87% (Maharashtra State Board)
- 10th SSC- 96% (Maharashtra State Board)

Professional Experience

Full Stack Developer Intern - Unified Mentors (2025)
- Built e-commerce frontend using React.js and Vue.js, improving page load speed by 25 percent.
- Developed reusable UI components, reducing development effort by 30 percent.

Pratiush Enterprises (2024)

- Designed and developed a USB thermostat circuit as part of an industrial electronics project.
- Collaborated with engineers to ensure high-quality circuit performance.

SKILLS

Languages:	Python, C/C++, HTML, CSS, Java script
Databases:	SQL – MySQL, AWS (Basics)
Frameworks:	Django, React, Angular, FastAPI, JQuery
CS Fundamentals:	DSA (150+Leetcode & 100 Gfg) ,Full Stack Web Dev , OOPS , DBMS
Tools:	Git, GitHub, Ai vertex, MATLAB, VS Code

PROJECTS

Real Estate Listing Platform (2025) | *Django + React + Google Maps API*
- Developed a property listing website allowing users to add house images and locations using Google Maps
- Integrated search and filter features with REST API backend

AI Prompt Marketplace App (2025) | *Full-Stack App – Django + React + PayPal*
- Built a SaaS-style web app for selling AI prompts with user auth, PayPal integration, and CRUD operations.
- Implemented REST APIs using Django and React frontend for dynamic prompt display.
- Deployed via GitHub,Render,Vercel .

Multilevel Inverter | IIT Ropar *(2023 - 2024)*
- Designed and implemented selective harmonic elimination techniques to enhance inverter efficiency.
- Conducted extensive research and authored a technical report with key findings.
- Applied theoretical concepts to practical design, optimizing power system performance.
- MATLAB and Python code for execution and confirmation of results (5% distortions reduction)

Positions of Responsibility

NSS Coordinator, IIT Ropar (Social Awareness Campaign)   *Jun 2023-2024*

Alumni-Student Coordinator Alumni Cell, IIT Ropar   *Jun 2023 - Jan 2025*

Miscellaneous
- JEE Advance, Cracked JEE Advance with All India Rank 3920 (CRL)
- NTSE national level selection and Scholarship
- Leetcode Profile: https://leetcode.com/u/kapilnila/
- Gfg Profile : https://www.geeksforgeeks.org/user/kapil_nila_gfg/
- GitHub Link: https://github.com/kapilnila