

Soham Ray

Developer · Tinkerer

+91 82400 45522
jobs@sysmonyx.com
sysmonyx.com

Computer Science student with hands-on experience in **Web-Development**, specialization in **Artificial-Intelligence** and a profound interest in **Networking, Operating-Systems, Cyber-Security & System Administration**. A natural problem-solver, I enjoy dissecting complex technologies to understand their inner workings. Seeking to apply my skills & passion for complex systems in a challenging and growth-oriented role.

EDUCATION

Techno India University

Bachelor of Technology 2023 – 2026
Computer Science & Engineering - AI CGPA – 7.6

Techno-Main Salt-Lake

Diploma 2020 – 2023
Computer Science & Technology CGPA – 8.1

EXPERIENCE

BASSETTI India

Associate Engineer Integration & Support

- Worked on integrating complex modules on the flagship product **TEEXMA** for clients like **AIRBUS, SCHNEIDER, FRAMATOME, SAFRAN** according to their requirements.
- Worked closely with the **BASSETTI France** Support Team to resolve customer issues through **GLPI** & manage employee infrastructure through **LDAP**.

PROJECTS

Credit Buddy

AI-Powered Personalized Credit Card Advisor

- Recommends users the ideal credit cards based on their unique income, CIBIL score, spending habits & categories.
- Built using **NextJS, TailwindCSS, SQLite & Prisma-ORM**.
- Optimized to run on a small Local LLM using **LM-Studio**.
- Incorporates inference optimization techniques like “**Pre-Filtering**” & “**Context-Injection**” to run on small LLMs.

HEIFify

Browser-Based HEIF-AVIF to JPG-PNG Image Converter

- Built using **NextJS, ReactJS & Tailwind CSS**. Deployed using **Vercel**.
- Utilizes the **libheif-js** library for local client-side conversion.
- Optimized to utilize multiple browser threads with the help of **Web-Workers** for a smooth & interruption free processing.
- Drag & Drop batch-processing & batch download capabilities to cater for power usage.

SKILLS

LANGUAGES Python · C · C++
JavaScript · TypeScript
PowerShell · Bash

FRAMEWORKS ReactJS · NextJS
Docusaurus · MkDocs

LIBRARIES TailwindCSS

INTERESTS

TOPICS Networking
Operating Systems

DOMAINS Cyber-Security
System Administration
Hardware Hacking

TOOLS - TECHNOLOGIES

OS Windows · Linux · BSD
pfSense · Proxmox

SYSTEMS Git · WSL · Docker

SOFTWARE VS-Code · NeoVIM · Zed
VMWare · LM-Studio

HARDWARE Arduino · ESP-32
Raspberry Pi

COMMUNICATION

NATIVE Bengali

FLUENT English · Hindi

BASIC German

LEARNING

LANGUAGE C# · Lua

TECHNOLOGY AWS · Kubernetes