

SHUBHAM KUMAR

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EDUCATION

SSN College of Engineering, Chennai	B.E in Computer Science and Engineering	2027	CGPA - 7.67/10
SHMS Inter Mahavidalaya, Dhanbad	+2 in Science(PCM)	2022	90%
SGD Modern School	Matriculation	2020	89.4%

TECHNICAL SKILLS

Programming: Python, Java, C, JavaScript

Web Technologies: HTML, CSS, React.js, Next.js, Shadcn

Databases: MySQL

Frameworks & Libraries: GSAP, Material JS

Machine Learning and AI: Hugging Face, Scikit, Numpy, Pandas

PROJECTS

Smart India Hackathon 2024 | Finalist

Interactive Code Learning Platform

- Crafted a **responsive Next.js frontend**, boosting engagement.
- **Applied DeepSeek LLM** for smarter code suggestions, improving accuracy.
- Engineered a Monaco Editor with **real-time code execution**.
- Introduced a **YouTube Split Compiler**, enhancing retention.
- **Utilized Laravel APIs** for seamless data flow.

Khacks 2.0 Kurukshetra | Anna Unniversity | Best Track Prize

Vocational Training Platform

- Built a **responsive Next.js frontend with interactive UI**, improving engagement.
- **Integrated QWEN (LLM)** for personalized learning, enhancing user interaction.
- Developed a **VR learning module** for hands-on skill-building without technical expertise.
- Used **Redux for efficient state management**, ensuring smooth data flow.
- **Implemented 5 user roles** for students, mentors, companies, institutions, and teachers.

Stress Detection Platform | Internally Funded Project | SSN

- Designed a **responsive Next.js frontend with real-time stress insights**.
- **Leveraged FastAPI** to process and predict stress levels.
- Secured **user authentication using Google Auth**, improving login efficiency.
- Trained a **ML model on 631 data points** to predict stress from smartwatch data.
- Added **personalized recommendations**, improving user well-being.

CLUBS & ACTIVITIES

Build Club | SSN IITMRP

- **Crafted the frontend** of the Club Website with event details, IITMRP ID registration, and sign-up features.
- **Streamlined event registration**, improving turnout.
- **Organized Innovation Day**, showcasing student projects to industry experts.
- Conducted **Web Development Workshops** to mentor juniors.
- Collaborated with the Software Team to **enhance Club's website features**.

CERTIFICATIONS

Cyber Security and Privacy – NPTEL (Prof. Saji J. Mathew)