Suvan Sarkar

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EDUCATION

Indian Institute of Information Technology   Sri City
BTech, Computer Science Engineering, 3rd Year, 9.9 CGPA   *2022 – Present*

Narayana PU College   Kasturi Nagar, Bangalore
10th - 12th, Science, 95% in CBSE boards. Qualified for JEE Mains (22k rank) + Advanced   *2020 – 2022*

EXPERIENCE

Software Developer Engineer Intern   December 2024 – February 2025
AgriVision4U   *remote*
- Developed a full-stack web application using NextJS and express
- Tackled complex tasks that were assigned and utilized critical thinking skills to get work done on time.
- Provided insights and ideas on how to implement systems, boost the growth of the company by 20%.
- Implemented safety features to guard mission critical assets and reduce the codebase clutter by 43% and improve application load times by 200ms.

Software Developer Engineer Intern   June 2024 – September 2024
Qbitrix Innovations, AI based startup   *Bhubaneshwar, India*
- Developed a full-stack web application using Svelte, SvelteKit, NestJS and LangChain
- Researched and worked on different tech-stacks that could be implemented to suit our current needs.
- Provided insights and ideas on how to implement the systems and boost the growth of the company.
- Rapidly learnt an extension framework(WXT) and started working on developing an extension for the company.

Enigma Club Co-Lead   July 2024 – Present
Enigma Club   *IIIT, Sri City*
- Formerly Computer Graphics core member, recently promoted to Co-Lead
- Held session on graphics pipeling systems and the basics of OpenGL
- Contributed in the development of the Club Project Enigma Craft (A low level code version of minecraft)

Management Core Member   Aug. 2023 - Jun. 2023
IIITS Google Developer Student Club   *IIIT, Sri City*
- Organize and host multiple events and hackthons. (Hall of Hacks, Web3SSH)
- Communicate with managers and staffs to setup events for success.
- Maintain uniformity and keep equipments upto standard for club sessions and projects.

PROJECTS

BachavSetu | *Flutter, Python, Flask, Dart, SocketIO*   Smart India Hackathon – 2023
- Nominated and Participated in the final round of Smart India Hackathon working on the Project BachavSetu.
- Rapidly learnt and developed a Flutter/Dart + Flask based application within a few days for the hackathon.
- Implemented collaboration techniques and github for task management and team wide efficiency.
- Implemented complex and challenging tasks suggested by the mentors within a matter of few hours like - mesh networking and a maps API.

Azzian | *Low Level Game Dev, C, Raylib*   Global Game Jam – 2023
- Low Level Game made completely using C, won first prize in the Global Game Jam competition. -Team Codegasms.
- Developed a clean UI and fun experience, delivering 2000+ lines of code within 48 hours.
- Developed complex game mechanics and changes to create a fun experience for the player.

TECHNICAL SKILLS

Languages: Python, C, C++, C#, Java, Javascript, Typescript, svelte, lua, Flutter, Dart, Bash script
Frameworks: ReactJS, SvelteJS, SvelteKit, NextJS, Vite, WXT, NestJS, FastAPI, Django, ExpressJS, NodeJS
Developer Tools: Git, Docker, NeoVim, MongoDB, SQL/SQLite/Postgres, Arch Linux
Other Relevant Skills: Blender (3D modelling), Photoshop, Premier Pro/After Effects, Canva, Multiple Cyber Security contests(CTF) participant and winners
Libraries: raylib, pandas, NumPy, Matplotlib, langchain, socketIO, flask, TensorFlow