

# Sourav Gope

Roll. No. 49/CS/23/15

+91 936-685-5940

✉ [isouravgope@gmail.com](mailto:isouravgope@gmail.com)

🌐 [linkedin.com/in/isouravgope](https://www.linkedin.com/in/isouravgope)

🐙 [github.com/isouravgope](https://github.com/isouravgope)



## Education

**Techno College Of Engineering Agartala**

July 2023

*Bachelor of Technology in Computer Science & Engineering (SGPA: 8.55 / 10)*

Agartala, Tripura

- **Relevant Coursework:** Data Structures and Algorithms (C++), Digital Logic & Microprocessor, Discrete Mathematics, Computer Organization & Architecture, Computer Networks, Database Management Systems, Compiler Design

## Experience

**Strategic Research Insights LLP**

August 2023 – Present

*Programmer Analyst*

Hyderabad, Telengana

- Designed various market research surveys using tools like Sawtooth Light house studio and programming languages like Javascript, Perl.
- Implemented various R&D setups, including a seamless connection between Dropbox from sawtooth lighthouse surveys using javascript. Producing heatmap using eye tracking that helps track the points of interest of the respondent taking the survey.
- Assisted in building an AI chatbot that uses the openAI's Chatgpt Model to ask dynamic questions to respondents taking the survey.

## Projects

**Beetle Kernel** | C, Assembly, Makefile

- Developed a custom android kernel based on linux.
- Apart from the regular android kernel features that came built into the Android OS, this beetle kernel was overclocked both in cpu and gpu clock speeds, providing a much smoother and faster overall experience.

**Linux Theming Dotfiles** | Vim Script, Python, Shell

- Developed a collection of self-configured theming configurations that support tools like, picom (a compositor for X11 display server), I3 window manager, neovim, Music Player Daemon (MPD), etc.
- These config files are purely themed with the gruvbox color scheme which provides a versatile coding experience and is supported for both linux and BSD platforms.

## Technical Skills

**Languages:** C++, C, Javascript, Python, Java, Assembly Language, XML, HTML, CSS

**Technologies:** Cmake, STL (Standard Template Library), OpenMP, PyTorch, jQuery, Bootstrap, Node.js, Android SDK

**Concepts:** Compilers, Operating Systems, Virtual Memory, Cache Memory, Encryption, Embedded Systems, Algorithms

## Achievements

- Achieved top 20 rank on Hackathon 2020 organized by Future-Proof Labs by Techno India Group.

## Social Engagements

**Participant:** in Robotronics, a robot building match between inter colleges.

**Student Member :** at Future-Proof LABS - the tech society of Techno India Group.

**Official Maintainer:** at various custom Android OS projects like DotOS, SuperiorOS, ViperOS.

**Sports-Engagements:** Badminton, chess.