Saheb Giri

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EDUCATION

- **Institute of Technical Education and Research** — Bhubaneswar, Odisha
  Bachelor of Technology - Computer Science and Information Technology; CGPA: 9.18 — *Aug 2020 - Ongoing*

- **DAV Public School** — Baharagora, Jharkhand
  Intermediate/+2; Percentage: 93.8% — *Aug 2018 - June 2020*

- **SVS Residential School** — Baripada, Odisha
  Matriculation; Percentage: 96% — *Aug 2012 - June 2018*

SKILLS SUMMARY

- **Languages**: C/C++, Java, JavaScript, Typescript, Python, SQL, Bash
- **Libraries/Frameworks**: React, NextJS, Redux, Vue, NuxtJS, NodeJS, Express, Fastify, Django, Flask, Jest
- **Tools**: Docker, Git, GitHub, PostgreSQL, MySQL, MongoDB, SQLite
- **Platforms**: Linux, Web, Windows, AWS, GCP

PROJECTS

- **Segmentation Fault**
  NextJS, MySQL, tRPC, Tailwind CSS, React Query, Zustand — *June 2022*
  - Developed a public platform to find and contribute answers to technical problems and awarded with points and badges.
  - Built a web-based text editor using hooks that supports embedded content, markdown and latex.
  - Strengthened type system by introducing end-to-end type safe API using tRPC.
  - Implemented role based access control along with content moderation.

- **Linctree - web app to manage single online profile**
  React, Express, MongoDB, Docker — *May 2021*
  - Built express API with service and MVC design pattern.
  - Implemented authentication and authorization from scratch along with role based access control.
  - Sanitize request data against xss and query injection.
  - Containerised the whole backend app with docker for easier deployment.
  - Wrote unit and integration test using jest.
  - Incrementally generates static pages on demand.
  - Implemented refresh token rotation in background.

- **SoundSky - Stream short music online**
  React, Redux, Material UI — *July 2020*
  - Created a serverless function to hide API keys which fetch access tokens from Spotify API.
  - Designed a custom audio player and managed different states using Redux.
  - Improved web performance by lazy loading images of different sizes.
  - Implemented infinite scrolling with responsive design.

- **Add Readme - NPM package to create readme files**
  NodeJS, EJS — *July 2020*
  - Single CLI command to create beautiful readme.
  - Parse additional info from git and package.json if available.
  - Blazingly fast with zero friction.

HONORS AND AWARDS

- Runner's Up in Code-O-Soccer at IIT Kharagpur - Sept, 2021
- Achieved recognition for winning SummerHacks - May, 2021
- Awarded with beginner explorer in Hackbenchers - Sept 2020

VOLUNTEER EXPERIENCE

- **Coordinator at Codex, Coding Club of ITER** — Bhubaneswar, Odisha
  Developed and redesigned its website from scratch with other fellow coordinators. — *May 2022 - Present*