

# SWAPNENDU CHAKRABARTI

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## ABOUT ME

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Engineering student flexible enough to work around with any tech stack with excellent real-life problem solving, resource and time management skills. Proficient in research work and a quick kinesthetic learner.

## EXPERIENCE

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### Research Intern

Aug 2021 - Feb 2022

Information Sharing and Analysis Centre

*New Delhi*

- Developed a Network monitoring tool to constantly monitor internet connectivity in Python.
- Developed an information gathering tool to extract metadata of all files from a target site in a text file in Python.
- Developed a site connectivity monitoring tool to monitor status of websites using click framework and store the results in an excel file in Python.
- Built a web scraper to extract all available emails from any website in Python.
- Development of APIs Flask to update resume

### Backend Intern

Feb 2022 - August 2022

B2L Mobitech

*Chennai*

- **Development of a PDF manipulation website**
- Tech stack: PHP, SQL, Python, HTML, CSS
- Web page to edit and modify PDFs uploaded by user.
- Conversion of PDFs to and from other formats

### Secretary

Aug 2022 - Present

Debate, Dramatics and Quiz Club of AIT

*Pune, Maharashtra*

- Successfully conducted multiple intra-college events pertaining to the above fields, with a couple inter-college events planned for the next calendar year.
- Helped organize the annual college Alumni Meet involving around 150+ alumni across the globe.
- Volunteered for AIT COVID War Room responsible for collecting records of available healthcare resources during the pandemic

## SKILLS

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**Languages** Python, C++, C, Java, SQL, PHP, Javascript

**Technologies** Flask, MySQL, PostgreSQL, ReactJS, MongoDB, Tensorflow

## PROJECTS

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### Phone book script

November 2022

- Concepts and tech stack used: OOP, DSA (Tries, Hash Maps, Multithreading) — Python
- Implementation of a phonebook in Python
- Store contacts in memory and filter through them

### 3 IEEE Conference Papers published (Renewable energy)

International Journal Research Paper (on Supercapacitors)

In Progress