

# Abhiroop Shome

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## EDUCATION

### SRM Institute of Science and Technology

Bachelor of Technology in Computer Science and Engineering – 9.23 CGPA

2019 - 2023

Chennai, Tamil Nadu

## EXPERIENCE

### Python Developer Intern

March 2024 - September 2024

techolution

Hyderabad, Telangana

- Architected and implemented robust **APIs** facilitating efficient **extraction and parsing of SharePoint data** for expedited training of AI models in a client project.
- Spearheaded a comprehensive **refactoring** initiative for a projects' backend codebase, resulting in a **33% reduction in code length and a remarkable 60% improvement in efficiency**.
- Conducted comprehensive **testing and debugging** of the backend codebase, identifying and resolving critical issues to ensure adherence to industry standards and seamless project execution.

### Data Operations Intern

January 2023 – July 2023

AB InBev

Bengaluru, Karnataka

- Designed and developed a **secure** enterprise-level web-based **chatbot** using Microsoft Bot Framework to facilitate internal communication among employees
- Developed an API solution using Python and **FastAPI** to connect and retrieve data from multiple data sources within the team.
- Created a web-based dashboard for the department's GitHub organization, leveraging the **GitHub API** to display data on active projects in a grid-like format using cards
- Developed and maintained data management and **documentation** procedures, improving data accessibility and facilitating seamless information sharing across departments

### Backend Developer Intern

August 2022 – September 2022

Tyroo Technologies

Gurugram, Haryana

- Developed a Logging system for the Teams' AWS Server Backend using **Flask, MongoDB, Python**
- Collaborated with a cross-functional team to design and **build a RESTful API**, allowing seamless integration between different systems.

## PROJECTS

### Sentimental Analysis using BERT | Python, NLP, ML, Tensorflow

- Applied state-of-the-art BERT model for text analysis and sentiment classification
- Performed natural language processing techniques on product reviews
- Classified reviews into positive or negative sentiments using deep learning frameworks

### GUI Frontend for Portrait Generation and Animation | Web Server

- Developed a graphical user interface for a portrait editing and animation workflow
- Leveraged StyleFlow, a generative adversarial network, to manipulate facial attributes and First-order Motion Model to transfer motion from one image to another

### Open Source Multipurpose Discord Bot | Python, Web Scraping, GraphQL

- Built an open source chatbot for Discord, a popular online communication platform
- Used the discord.py library, a Python wrapper for Discord's Developer API, to implement the chatbot
- Implemented various commands and features for the chatbot, such as Moderation, Web Search on various websites such as Youtube, Wikipedia, Anilist, Steam

## TECHNICAL SKILLS

**Languages:** Python, C, C++, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Flask, WordPress, Microsoft Bot Framework

**Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Microsoft Azure, Microsoft IIS, Azure Databricks, Azure DataFactory, PowerAutomate, SQL, MongoDB, PowerBI

**Libraries:** pandas, NumPy, Matplotlib, pyMongo, pyODBC, FastAPI, Chart.js, Bootstrap, Tailwind, React.js

**Other Skills:** Adobe Photoshop, Adobe Premiere Pro, Powershell, MS Office, Linux, VMWare, Batch Scripting, Automation