

AISHIK MUKHERJEE

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PROFESSIONAL SUMMARY:

GNU/Linux enthusiast, **Robotic Process Automation** developer and a **DevOps** engineer with experience in **self-hosting** critical services (SearXNG, Nextcloud, PiHole etc). Experienced in building custom **Android ROMs** and **kernels**. Proven ability to build scalable apps using **Python web frameworks**. Possessing knowledge in the domain of **machine learning**.

EDUCATION:

Bachelor of Technology (Computer Science and Technology):

University of Engineering and Management Kolkata
CGPA: 9.2

Higher Secondary (Pure Science):

Ramakrishna Vivekananda Mission Vidyabhawan
WBCHSE score: 83%

Secondary:

Ramakrishna Vivekananda Mission Vidyabhawan
WBBSE score: 85%

EXPERIENCE:

Robotic Process Automation Developer:

Intern at Emami Limited

(June 2023 - July 2024)

Automated complex tasks with RPA tools (Power Automate, Automation Anywhere) and custom scripts (Python, PowerShell). Leveraged DuckDB (SQL) for efficient data processing on large datasets, slashing processing time by 96%. Developed automated server maintenance scripts and championed innovation by building a customer review analyser using Python & LLMs at GenAI contest, recognized for contributions.

Android Developer:

Open-source contributor at CygnusOS

(March 2020 - June 2023)

Device maintainer for Redmi 4. Created custom builds for the OS and kernel. Also made unofficial builds for multiple other open-source custom ROM projects for multiple devices.

SKILLS:

Languages: Python, Bash, Powershell, Golang

Technical Skills: GNU/Linux, Robotic Process Automation, Networking, Database management, LAMP (Linux, Apache, MongoDB/MySQL, Python) stack, Machine Learning

Tools: Git, Docker, PostgreSQL, Automation Anywhere, Microsoft Power Automate, Selenium, GCP, Tensorflow, FastAPI

Soft skills:

Problem solving, Attention to detail, Adaptability, Time management, Community collaboration

PROJECTS:

Linux System Administration:

Maintaining a home-server running Rocky Linux (RHEL). Hosting a DNS sinkhole, cloud storage service, search engine and a game server. Accessible through WAN via a self-hosted VPN service using Wireguard protocol

Amazon Review Analyser:

Fetch real world customer reviews from e-commerce platforms to perform sentiment analysis and reporting using large language models

Templar Userbot:

Telegram userbot made using Telethon API. Performs instructions based on custom Python scripts. Functionality as wide as the entire python ecosystem.

Python Watcher:

A Python and Bash script combination to deploy bots anonymously using a VPN extension to increase website traffic

CERTIFICATIONS:

Machine Learning: Professional Certificate (IBM)

Implementing RPA with Cognitive Automation and Analytics (**Automation Anywhere**)

PERSONAL INFORMATION:

Date of birth: March 20, 2002

Address: Sodepur, Kolkata 700110

Father's name: Sujit Mukhopadhyay

Mother's name: Gopa Mukhopadhyay

Date:

Place: Sodepur