

# SHILADITYA BOSE

## SKILLS

### Programming Languages

Python, C/C++, SQL, Javascript, HTML/CSS

### Frameworks/Technologies

FastAPI, Flask, VueJS, PostgreSQL, REST API, NumPy, Pandas, Tensorflow

## CONTACT

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**Blog:** s-bose.github.io

## EDUCATION

### University of Calcutta

Masters in Computer Application

- 2018 - 2021
- Percentage - 82.5

### University of Calcutta

Bachelor of Science in Computer Science

- 2014 - 2018
- Percentage - 69.37

## CERTIFICATIONS

### Programming in C/C++

(University of Groningen, Netherlands)

Gained a thorough understanding of advanced concepts in C++20 standard and design patterns.

- [https://drive.google.com/file/d/1ISmOPMTBgMFoGcZDOZ\\_ymtr-6PbYpWVJ/view](https://drive.google.com/file/d/1ISmOPMTBgMFoGcZDOZ_ymtr-6PbYpWVJ/view)

### Machine Learning, Stanford (Coursera)

Gained an in-depth theoretical understanding of the concepts in machine learning and linear algebra.

- <https://www.coursera.org/account/accomplishments/certificate/G93Z32AWCZVV>

### Deep Learning with PyTorch (Jovian)

Became introduced to deep learning and PyTorch framework with hands-on projects.

- <https://jovian.ai/certificate/MFQWCYJSGM>

## WORK EXPERIENCE

### Systems Engineer

Tata Consultancy Services

*Aug 2021 - present*

- System administration and maintenance of the backend and middleware of content management services.
- Built automation pipelines in Python for generating statistical reports.
- Created REST APIs and interactive access management portal in Flask for customers.

### Python Developer (Intern)

Sleeksky LLC

*Jan. 2021 - Apr 2021*

- Built the backend infrastructure of a headless CMS using FastAPI, PostgreSQL, and Docker, alongside maintaining endpoints and hosting on AWS.

## PROJECTS

### Offline Password Manager

- Created a containerized full-stack password vault using FastAPI, PostgreSQL and VueJS.
- <https://github.com/s-bose/opwm>

### Wallpapr

- Created a cross-platform desktop wallpaper manager from [reddit.com/r/wallpapers](https://reddit.com/r/wallpapers) using *VueJS*, *ElectronJS*
- <https://github.com/s-bose/wallpapr>

### Brain Tumor segmentation

- Performed image segmentation on brain MRI images using different UNet architectures on BraTS 2020 dataset with 70% validation accuracy.
- [https://github.com/s-bose/brats\\_unet](https://github.com/s-bose/brats_unet)

### Kepler Planet Classification

- Performed data analysis and classification on NASA Kepler space dataset on potential exoplanets using PyTorch.
- <https://www.kaggle.com/shiladityabasu/opexa>