Shubhayan Saha

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Willing to relocate: Anywhere

Work Experience

Research Assistant
George Washington University - Washington, DC
September 2021 to Present

• Analysed N3C Omics Covid 19 Data of 1.3M+ by filtering, organization, integration, and data quality assessment to understand effects of Drugs concerning diseases.
• Visualized, Planned, and constructed a Machine Learning Model for prediction of 10+ Rare Diseases on HCCI
Data with Python as a Senior Data Scientist of project.

Full Stack Python Developer
Gaius Networks - Chennai, Tamil Nadu
January 2019 to August 2021

• Built an automated CV Analysis and Job Matcher leveraging a Regression Model and automated hiring process of companies by 80%.
• Developed and implemented 10+ scripts along with API creation for various tasks as detection of severity risk of covid based on geolocation of individual, assessing reviews of upcoming movies, etc.
• Predicted 2020 Presidential Election with 92% accuracy and monitored results in a web-app in real time.
• Communicated with health officials of AIIMS, Delhi to operational behaviour for a web-app based questionnaire along with mapping, database query creation for understanding patient and drugs orders in hospital.

Artificial Intelligence Research Intern
National Aerospace Laboratory, CSIR-SRTP - Bengaluru, Karnataka
June 2020 to August 2020

• Analysed Detection of Cyclone Centres from NAL Satellite Images deploying a custom trained OpenCV model with 86% Accuracy.
• Wrangled, Monitored, and Assessed Weather, and Imaging Data to understand major affecting cyclone locations.

Undergraduate Research Assistant
SRM Institute of Science and Technology, SPARC - Chennai, Tamil Nadu
June 2019 to January 2020

• Built a Deep Learning Capsnet Model with team for early prediction of Diabetic Retinopathy with 94.4% accuracy.
• Examined Hospital Dataset, worked on pre-processing, data augmentation of DR images for feature extraction.

Education

Master of Science in Data Analytics
The George Washington University, School of Engineering & Applied Science Washington DC - Washington, DC
June 2023

Bachelor of Engineering in Computer Science and Engineering
SRM Institute of Science and Technology Chennai - Chennai, Tamil Nadu
June 2021

Skills

- Python
- Java
- C
- C++
- Html
- CSS
- JavaScript
- PHP
- Keras
- TensorFlow
- OpenCV
- Scikit-learn
- Flask
- FastAPI
- PySpark
- Hadoop
- Bootstrap
- SQL
- Firebase
- Git
- Bash
- Docker
- Heroku
- Azure
- AWS
- Google Cloud Platform
- IDEs
- PowerPoint
- Microsoft Office Suite.

- GitHub
- Linux
- REST
- APIs
- MySQL
- R
- Machine Learning
- Scripting
- Usability
- Business analysis
- Application development

Links

http://github.com/ShubhayanS

http://linkedin.com/in/shubhayans

https://ssha.dev