Statement of purpose

My name is Himalaya Mandal. I have completed my b.tech on Computer science and engineering from Guru nanak institute of technology. I have total 2 years of experience in python , machine learning , data science , nlp,arcpy,arcgis,nlp,git, image processing, aws (ec2, s3, lambda, blockchain, sns, sqs),cyber security(vapt),c programming.

My first company was Indian cyber security solution . Their I have worked on django, machine learning, git ,python security scripting, arcpy and arcgs. My first work was a anonymous mail sending where I can send mail to anyone using other's mail address. Second project was graphical representation of area using arcpy and arcgis . In that project I have to simulate area using the geo location data. Third project was a website which can identify vulnerabilities of other website.

My second company was eclipse technoconsulting solution pvt ltd. Their I was worked on mainly django, blockchain ,git and data engineering. The first project was a desktop application called startwrite desktop. Their I have used git , python, matplotlib, tkinter , Bezier curve algorithm. Second project was a wallet website for blockchain transaction. I used aws blockchain , git , ec2 for hosting, mongodb for database, s3 for storage. In this project I have to maintain those transactions happening in a new cryptocurency called arcturus.

My third company is WSE games. It's a contract based job. Here I am working on recommendation called a   WeNet. It's a environment based project. Here I have to work with colaboretive algorithom, pyspark, pytorch, git, arcgis pro, aws ec2, aws sqs, aws sns, aws s3, web scraping and crawling, vectorization, tokenization, sentiment and semantic analysis, related keyword finding. The main goal of this project is to connect multiple naturalist, ornithologist, geologist, photographer etc etc. their I have to create recommendation system for normal users where I have to recommend to normal users the post of those professional naturalist, and all other professionals. Also there is other part where those naturalist can manage those data which they are putting on arcgis, I have to help them to maintain the virtualization of are by their data. I am using .gdb data format to main those virtualization. I am designing along with python , more specifically using arcpy and also using javascript package.

I have certified C developer from IIT Bombay, certified database management from Microsoft, certified ethical hacker, cirtified data analyst from cdac. I have done a project on Big bazaar future sells prediction using machine learning.

I have done some research based work. First is a Bezier curve algorithm in python. There is already a package but that wasn't that much good for work. So, I built a code from scrap. It will convert any edge to a smooth curve.

Git link: https://github.com/xhimalaya/brezier.git

 Second project is icmp smurf attack detection using neural network. It will identify the smurf attack on server using neural network. At first it need some intial data , after that it will train itself by won collected data. The project paper is published at University Collage Dubline, Ireland.

Git link : https://github.com/xhimalaya/ICMP_smurf_attack_detection.git

Paper link: https://drive.google.com/file/d/19PLqWPtvpaBWNldvMHDrgra_rlTd0Bm/view?usp=sharing

I want to do this job because I want to dig in nlp , arcgis more. That's why I fill that this opportunity will be good for my career.

Regards,

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