Harith Laxman A.G.

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PROFILE

A hardworking and creative software developer who has proficient skills in Python, Java, Machine Learning, and Computer vision along with an eagerness to learn more and contribute to solving real-world problems. Experienced in developing Web Applications, and Mobile-apps using Java as well as optimizing their performance. Confident communicator and strategic thinker and innovative developer who can design software that is customized to the company's organizational needs, highlight their core competencies, and further their success.

EDUCATION

Vellore Insitute of Technology   2017 – 2021
B.Tech in Computer Science and Engineering with specialization in Bioinformatics   Vellore, India
- **GPA :- 8.32/10**

CHettinad Vidyashram   2016 – 2017
Class 12   Chennai, India
- **Percentage:- 85.6%**
- Served as the official Press-Coordinator of the school writing articles to be published in national newspapers.
- Served as the Vice-president of UNDP during the Inter-school Model United Nations.
- Won awards through participation in several inter-school Model United Nations competitions.

PROFESSIONAL EXPERIENCE

Systems Engineer   08/2021 – present
Tata Consultancy Services   Chennai, India
- Working as a Fullstack Java Developer for a Banking client.
- Developed and implemented several Netbanking, Mobile banking, and UPI functionalities using Java Webservices.
- Deployed these applications through Oracle Weblogic and monitored their operations in production.
- Completed the migration of the application from WebLogic version 12.2.1.2 to 12.2.1.4 and solved critical compatibility issues.
- Monitoring performance of the servers in the Test environment and Production thereby optimizing the application wherever necessary.

SKILLS:- Java Web Services, Core Java, SQL, Front-end Web Development, Oracle Weblogic, Linux System Administration

Python Developer (Internship)   04/2020 – 05/2020
Finmomenta Pvt. Ltd.   Chennai, India
- Developed and Implemented a program in python that would extract details from an encrypted bank account statement with the help of OpenCV, Anaconda, and other python libraries.
- Developed and implemented a program that would analyze each transaction from the extracted bank statements and buckets them into pre-defined categories with the help of Regular Expressions in Python.

SKILLS:- Python, Regular Expressions, OpenCV, Git, OCR.

PROJECTS

Crop Disease Prediction using Deep Learning methods
A real-time crop disease detection and prediction model developed using YOLOv3 and ResNet-152 which can accurately detect and predict 38 different diseases in 14 plant species.

Handwritten signature forgery detection using ResNet
A deep learning model developed using resnet-50 that can detect and identify forged signatures from original ones.

Residual Learning Formulation for Generic Image De-noising
A generic image de-noising model that can predict Gaussian noise in an image to an unknown level (Blind Gaussian denoising) using deep CNNs and enhanced by formulations of residual learning and Batch normalization.

Cursor Control based on Human Facial Movements
A python program that uses openCV to capture the user's facial movements and translates them into cursor movements with the help of Pyautogui.

SKILLS

Java | SQL | REST & SOAP Web services | Python | Deep Learning | Computer Vision

Unix & Shell scripting | Front-end web development | Presentation | Leadership | Critical Thinking

Creativity | Hardwork

CERTIFICATIONS

Machine Learning by Stanford University   Coursera

Neural Networks and Deep Learning by Deeplearning.Ai   Coursera

Usable Security by University of Maryland, College Park   Coursera