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 and Mobile applications 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**

PROFESSIONAL EXPERIENCE

Systems Engineer 08/2021 – present
Tata Consultancy Services Chennai, India

- Utilizing Java, Java Enterprise Bean, Java EE, and Oracle Weblogic to develop and deploy several Netbanking, Mobile banking, and UPI functionalities for a prominent banking client.
- Collaborating closely with the management, vendors, and other associated third parties to design and guarantee the full functionality and performance of the applications.
- Oversaw and worked on all the phases of migrating the existing applications from an older version of the server to a newer one.
- Improved the performance of Mobile Banking and UPI applications by up to 15% through a series of decoupling and effective database querying.
- Automated the procedure of downloading specific financial reports and executing pre-defined procedures with them, thereby helping the client work more efficiently.
- Enforced modern methods for retrofitting code into the codebase and developed a proper version control procedure for the client.

SKILLS:- Java EE8, SQL, Full stack Development, Oracle Weblogic, Linux System Administration, git, SVN.

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

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