Shilhora Akshay Patel

Mobile: +91 6281459424 **E-mail: Shilhora.akshay333@gmail.com**
Google Scholar: **Github:** **LinkedIn:**

Objective

An proficient deep learning practitioner with an immense understanding of deep learning and Web development. This distilled knowledge is used for reproducing novel techniques and integrating models into web and mobile apps. creating rapid prototype or products.

Work Experience

June'11–Oct'21	**Software Intern, Ortunity**
Worked On	Designing and Developing Mobile Applications With React Native
Aug'19–Jun'21	**Research Intern, VNR VJIET**
Worked On	Designing scalable neural networks for i) malaria thin blood smear detection and classification ii) plant leaf disease identification and classification iii) Arrhythmia detection and classification using PPG signals.

Education

July'18– July'21	Pursuing Undergraduate Dept. of Information Technology VNR Vignana Jyothi Institute of Engg. & Technology Grade: 8.0 CGPA
July'15– July'18	Diploma In Computer Science Vijay Rural Engineering College Grade: 8.4 CGPA

Skills

Language(s)	Python, JavaScript
Frameworks	React, React-Native, Nodejs, PyTorch
Databases	Mongodb, My SQL
Skills	API design, Full Stack development

Certifications

Completed Certified Course At VNRVJIET

- *Introduction to Python*
- *Machine Learning*

Projects

Plus100years App
A mobile application for booking and consulting in the health and hospitality sector Developed using React Native with real-time updates.

Leaf-Health App
A mobile application for classification of leaf disease in real-time by utilizing the potentiality of the DL Model.

Malaria-detect-web-App
A web application for detection of malaria in microscopic blood image by takes advantage of the DL Model.

Research Experience

Publications:

[1] Lalith Bharadwaj B, K. Sai Vardhan, **Shilhora Akshay**. *"Improvising the Learning of Neural Networks on Hyperspherical Manifold," Published at LMRL workshop at NeurIPS 2021.*
:https://arxiv.org/abs/2109.14746

[2] D. S. Rao, B. R. Chandra, V. S. Kiran, K. Srinivas, **S .A. Patel**, *G. S. Mohan, B. Lalith. Bharadwaj. (in press). "An Application Oriented Framework for Plant Disease Classification Using Deep Bilinear CNNs," Intelligent Automation and Soft Computing (IASC), 2021.*

[3] G. Madhu, A. Govardhan, B. S. Srinivas, **S. A. Patel**, *B. Rohit, and B.Lalith Bharadwaj. "Capsule Networks for Malaria Parasite Classification: An Application Oriented Model." In 2020 IEEE International Conference for Innovation in Technology (INOCON), pp. 1-5. IEEE, 2020.*
: https://doi.org/10.1109/INOCON50539.2020.9298425

[4] M. Nimmala, B. P. Rani, V. Janaki, S. M. Gajapaka, **S. A. Patel**, *and B. Lalith Bharadwaj. "An Imperative Diagnostic Model for Predicting CHD using Deep Learning." In 2020 IEEE International Conference for Innovation in Technology (INOCON), pp. 1-5. IEEE, 2020.*
:https://doi.org/10.1109/INOCON50539.2020.9298423

[5] N. Mangathayaru, B. P. Rani, V. Janaki, **S. A. Patel**, *G. S. Mohan, B. Lalith. Bharadwaj. (2021) "An Imperative Diagnostic Framework for PPG Signal Classification Using GRU," Advanced Informatics for Computing Research. ICAICR 2020. Communications in Computer and Information Science, vol 1393. Springer, Singapore.*
: https://doi.org/10.1007/978-981-16-3660-8_57

Achievements and Participations

1. *Achieved 2^{nd} position in hackathon conducted at JNTUCES(2020).*
2. *Achieved 2^{nd} position in Web-development hackathon conducted by CSI Chapter.*
3. *Technical Head at* **ACM VNRVJIET Student Chapter** *(2018 and 2019).*
4. *Attended various workshops regarding AI, TensorFlow and Ethical AI.*
5. *Participated in Entrepreneurship event* **Ecficio** *(2018 and 2019).*

Others

1. *Worked as Web Developer and Mobile Application developer Created and Deployed the app and websites end-to-end as a freelancer.*
2. *Conducted a Workshop on Web development as an instructor.*