

IJAS A H

To obtain a challenging position in a high-quality engineering environment where my resourceful experience, academic skills and passion in the field of Machine learning add value to organizational operations.

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EXPERIENCE

Infosys Ltd, Trivandrum — AI Engineer ML Engineer

2019 - PRESENT

- Worked with infosys Research and development unit(Infosys center for emerging technology solutions) and successfully developed and delivered several machine learning/deep learning/Quantum computing solutions and optimization solutions.
 - Deep Learning POC on Fraud Detection
 - Deep Learning POC on Malware Visualization(study, Design and prototyping of new technology implementation)
 - Combinatorial optimization solution.
 - Object detection use case/Image Classification.
 - Designed hybrid quantum image classification Module.
 - User interface for integrating different application(Python Django)
- Tagged as Full stack Infrastructure Professional.
- Undergone Infosys training in Advanced python, data structures, Object-oriented programming, Oracle DB.
- Contributed towards building IP's
- Learnship GlobalEnglish Certification.

Machine Learning/Deep Learning Expertise-2 years experience

- Knowledge in pipeline involving data gathering, preprocessing, training, process definition, model generation, model evaluation.
- Hands on experience in building automated data gathering techniques, web scraping, data identification.
- Knowledge in data processing techniques like principal component analysis for dimensionality reduction, Outlier analysis and so on.
- Hands-on experience in techniques like Regression, Decision Trees, Random forest, Neural Networks, Clustering, and different lowcode tools like PyCaret.
- Knowledge in making use of hyper-parameter tuning for both machine learning and deep learning.
- Experience in research, testing and developing machine learning algorithms and predictive models , model training and evaluation.
- Experience in working on advanced, complex technical projects or business use cases requiring state of the art deep learning solution.
- Experience in analyzing and explain ing AI and machine learning

SKILLS

Python, Machine Learning, predictive modeling, TensorFlow, NLP, Vision, Natural Language Processing, Vision, Pandas, NumPy, MLFlow (MLOps - Working experience), Docker(Working Knowledge), GCP (AUTOML)

FIELD OF INTERESTS

- Data Science
- Machine Learning
- Deep Learning
- Artificial intelligence
- Space Science
- Brain signal processing
- Natural language processing

INDUSTRIAL EXPOSURE

- System Engineer at Infosys Ltd.
- Internship at Sayonetech, Infopark, Kochi
- Internship at IHRD, Kaloor, Kochi

AWARDS AND ACHIEVEMENTS

- IBM Advanced Quantum badge for qiskit challenge 2021.
- 5 star for problem solving- Hackerrank
- 5 star for python programming by Hackerrank
- Tagged as full stack Infrastructure professional at infosys.
- Google-Coding

(ML) solutions.

- Hands-on experience with multiple AI tools, such as, Python and machine learning frameworks like TensorFlow, Keras.
- Background in Natural language Processing (NLP)(Chatbot explainability project), Computer Vision (Research in convolutional neural network, gesture detection) or any other deep learning use cases.
- Proficient understanding of code versioning tools, such as Git.
- Working experience in libraries like Numpy, Pandas.

Optimization

- Designed a QUBO(Quadratic binary unconstrained optimization algorithm) for solving KNN using annealing process.
- Designed an efficient Qubo based solution for the NP-HARD problem.

Cloud experience

- Google Cloud ML(Basic Working experience-Auto ML)
- Aws(Basic working experience in various services)
- IBM Watson

Analytics Vidhya — Technical Writer - AI

MONTH 2019 - PRESENT

Keywords: Technical Writing

- Analytics Vidhya is a community of Analytics and Data Science professionals.

<https://medium.com/@ijas.ah>

EDUCATION

Scms School of Engineering and Technology, Vidya Nagar, Karukutty, Kerala— Computer Science Engineering

YEAR 2015 - YEAR 2019 | BE/B.Tech| Obtained 8.25 as per the results of APJ Abdul Kalam Technological University.

Sivagiri Vidya Niketan, Thottumugham, Aluva, Kerala 683105 — 12th standard

YEAR 2014 - YEAR 2015 | Obtained 87% as per the results of the CBSE

Sivagiri Vidya Niketan, Thottumugham, Aluva, Kerala 683105 — 10th standard

YEAR 2012 - YEAR 2013 | Obtained 10.0 CGPA as per the results of the CBSE

PROJECTS

Evaluation Of Robustness Of Android Malware Detector Against Adversarial Examples(Cyber security- ML)

Topic: Adversarial Machine Learning

To evaluate the performance of machine learning based malware scanner against adversarial examples derived through poisoning and label flipping attack. This was a research project and it is currently accepted under a conference and it is yet to be presented.

competition(Kick start),
Scored 1575th rank in Round-H

- INSTA-AWARD(performance award by infosys)
- Rise-award(Project excellence(Awarded for team))
- Techzooka competition award by infosys for presenting AI POV.
- Appreciation on security training given for employees of sayonetech Infopark, Kochi
- Python Data Science for AI(Digital Badge by IBM)/(part of Coursera certification.

TEST BASED CERTIFICATIONS AND LICENSES

- Infosys certified global agile developer
- Infosys certified open chain practitioner
- Infosys certified Big data developer
- Infosys certified data science using R professional
- Unix fundamental
- Infosys certified python associate
- Infosys certified python programmer
- Certified Ethical Hacker(expired Dec 2020)

OTHER CERTIFICATIONS AND LICENSES

- IBM Quantum Consultations
- QBroze by qindia for Quantum computing workshop
- Building AI-Powered

ITSN analytics system

ITSN analytics system is an intelligent social network analytics system. It Analyze the response of people from different social networking sites, gathers information, and use it to enhance marketing experience. It also automates social networking activities including creating a relationship between customers and communicating with customers as a bot.

CONFERENCES

1. Ijas AH, *Evaluation of Android malware scanners on Adversarial Attacks* (SSET, Kerala, India 2019)- Accepted, yet to be presented

REFERENCE

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Chatbots-

Coursera/IBM

- Business English
- Chatbot Building-CourseraEsentials-**Coursera/IBM**
- Getting Started AI With IBM Watson-**Coursera**
- **Infosys** Certified Python Associate
- **Infosys** Certified Python programmer - Advanced
- Introduction to Artificial Intelligence-**Coursera/IBM**
- Object-Oriented Programming in java - **Edx/Microsoft**

LANGUAGES

- English
- Malayalam

STRENGTH

- Adaptability
- Self-motivated
- Good leadership quality
- Desire to learn