Prafull Pathe

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Portfolio Website

Technical skills

- DataPower admin and development
- APIC/APIGEE
- GCP: docker, Kubernetes, terraform, Tekton, GitHub
- Programming: C, Java, IOT, Python
- Monitor: Splunk, DPOD, Grafana, Sysdig

Certification

- **Associate cloud engineer**
  Google | 2023
- **Programming in Java**
  IIT Kharagpur | 2020
- **Practical Machine learning with TensorFlow**
  IIT madras | 2020
- **Python for Data Science**
  IIT madras | 2019

Publication

Detection of COVID 19 by studying chest x-ray images in keras
Research paper on "Detection of COVID 19 by studying chest x-ray images in keras" published in PARAMANA REASEARCH JOURNAL, VOLUME 10, ISSUE 8, AUGUST 2020 – publication link .

Internship

eSankalp Software Solutions

Intern | June - December 2019

• Web Development
• Database Management

Strengths

• Leadership
• Flexibility and Adaptability
• Quick Learner

Objective

An excellent academic record, ability to understand and test software, working knowledge of Azure, and a strong understanding of core internet technologies. I seek to work as a System Engineer to further my knowledge in the IT domain and utilize my skills.

Experience

FORD MOTOR COMPANY

DataPower ADMIN | 2021-present

Responsibilities:

- Encrypted and decrypted all network data a web content as needed.
- Extensive knowledge of security patches, firewalls and systems
- Familiarity with scripting languages such as xml and JavaScript.
- Ability to interact with application developers and systems engineers, in a helpful manner
- Ability to balance load, optimize, and perform upgrades on DataPower systems
- Setup, configured, managed and integrated various DataPower devices, as required. Substantial experience of DataPower configuration, administration and integration activities
- Documented, updated and maintained the overall DataPower infrastructure.
- Self-debugging of message flow using Soap UI.

Academic History

Priyadarshini Indira Gandhi College of Engineering, Nagpur
Bachelor of Engineering | CSE 2021 | 9.3 CGPA

Government School for Excellence, Chhindwara M.P
HSC | Mathematics 2017 | 80.33 Percentage

Extra-curricular

- Represented college in university level chess and cricket competition.
- Completed National Cadet Core (NCC) A certificate in 2015.

Projects

- **DataPower Admin:**
    - Substantial experience of DataPower device installation, configuration, administration and integration activities
    - Extensive knowledge of security patches, firewalls and systems
    - Familiarity with scripting languages such as xml and JavaScript.
    - Detected and debugged all technical issues related to DataPower devices.
    - Ability to interact with application developers and systems engineers, in a helpful manner
    - Ability to balance load, optimize, and perform upgrades on DataPower systems
    - Setup, configured, managed and integrated various DataPower devices, as required.
    - Encrypted and decrypted all network data and web content as needed.
    - Documented, updated and maintained the overall DataPower infrastructure.

- **DataPower OpenShift Container platform**
  Deployed the DataPower middleware to work in redhat OpenShift container platform. A virtual DataPower Gateway provides similar function to a physical appliance. Each form factor has inherent advantages and considerations that are specific to the deployment environment and its intended use.

- **Detection of COVID 19 by studying chest x-ray images in keras –**
    - Sample an open-source dataset of X-ray images for patients who have tested positive for COVID-19
    - Sample “normal” (i.e., not infected) X-ray images from healthy patients
    - Train a CNN to automatically detect COVID-19 in X-ray images via the dataset we created
    - CNN (convolution neural network) trained using keras , created a Gui using JavaScript, image detect using python.
    - Evaluate the results

- **Automatic fertilizer maker:**
  A low-cost automatic fertilizer maker from waste. Created using IOT (node mcu, relay and components), worked on solar light and energy efficient. Submitted in AICTE Chhatra-vishwakarma awards 2019 and was selected for regional convention.

- **IOT based home automation | 2020**
  Automation of all the electric board and switches with the help of IOT.
  Used devices are Node mcu Esp8266, 5V relay etc.