

KIRAN UDAY PAI

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WORK EXPERIENCE

Software Engineer at DELL EMC, Bangalore, KA, India

Aug 2017 - Aug 2021

- Developed and designed an automation framework using python to run test suites and integrated it with jenkins and report portal for test report generation to reduce manual work by 60%
- Developed a log-collector web application in django for easy collection of logs from heterogenous storage products to reduce human effort by 50%
- Developed reusable components in React.js for triggering test suites using a GUI.
- Developed Bash and Python scripts to stress test BMC and IPMI KCS driver

Web development Intern at Fouses, Bangalore, KA, India

Apr 2020 - June 2020

- Designed a REST API using express and node.js for an online examination portal to help students take exams remotely.
- Integrated Swagger with the REST API for creating API documentation.

PROJECTS

Design of a phoneme based speech recognition system (PESIT, Bangalore, KA, India) [GitHub URL](#) [IEEE URL](#) Jan 2017 - May 2017

- Implemented a phoneme based speech recognition system in MATLAB using MFCC for feature extraction and SVM for feature classification.
- Integrated it with an Arduino Uno microcontroller module to accept the processed commands and used this system for home automation.

E-commerce website for selling hand stitched towels (Bangalore, KA, India) [GitHub URL](#)

May 2020 - Sep 2020

- Designed and developed a website for selling hand stitched towels using MongoDB, Express, React and Node.js.
- Integrated backend with paypal payment gateway for handling transactions.
- Developed test cases for unit testing and integration testing react app using jest and selenium.

CNNs for classifying skin lesions (IISc, Bangalore, KA, India) [IEEE URL](#)

Jan 2020 - Apr 2020

- Classified skin lesions using VGG CNN model with Adam Optimizer using the MNIST:HAM10000 dataset.
- Designed a website using python flask web framework for a user to input an image and fetch results.

DSM Automation Framework (DELL, Bangalore, KA, India)

Feb 2021 - May 2021

- Designed and developed an automation framework to run automated test suites for testing BMC, KCS and other UI features.
- Used Jenkins for deployment and integrated it with a report portal for generation of reports.
- Developed a log collector tool using python django framework for collecting logs from the storage and server boxes.

SKILLS

Languages:	C++, Python, JavaScript ES6, Java, MATLAB
Web Technologies:	Python-django, Express NodeJS, ReactJS, Bootstrap, Firebase, Redux, Jest
Databases:	MongoDB, PostgreSQL, SQLite
Tools:	Git, Postman, Robo 3T, Swagger, Jenkins, Jira, Confluence, Selenium
Operating Systems:	Linux (Ubuntu), Windows

EDUCATION

Masters in Computer Science, Arizona State University, Arizona, USA

Aug 2021 - Present

Bachelors in Electronics and Communication, PESIT, Bangalore, India

Aug 2013 - May 2017

CERTIFICATIONS

Information Storage Associate Version 3

September 2017