


# BIPIN KUMAR

REACT.JS | PYTHON

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Portfolio 

## SKILLS

**Programming Languages:** JavaScript (ES6+), TypeScript, Python, HTML5, CSS3.

**Frameworks/Libraries:** React.js, Redux, React Router, PrimeReact, React Bootstrap, Django, Django Rest Framework.

**Frontend Tools:** Webpack, Babel, npm, React Developer Tool, redux Toolkit

**Testing:** Jest, RTL, Playwright.

**Database Management:** Mysql, Sqlite.

**Cloud Services:** AWS: EC2, S3, Lambda, Amplify, API Gateway.

**Other skills:** Pandas, JIRA, TestRail, Rest API, ADB, Docker, Confluence, Microsoft Excel, GitHub, JSON, XML.

## PROFESSIONAL EXPERIENCE

HCLTech, Bangalore

### Software Engineer

Mar 2023 - Present

- Developed and maintained responsive web applications using React.js, employing modern JavaScript features to create user centric solutions.
- Implemented reusable and consistent UI components with Material UI, PrimeReact, and React Bootstrap, contributing to cohesive design systems.
- Managed complex application states effectively with Redux and Context API, enhancing data management and overall performance.
- Collaborated with backend teams to integrate APIs seamlessly, ensuring dynamic and real-time data display across applications.
- Applied thorough unit and integration testing using Jest, React Testing Library and Playwright to ensure high code quality and reliability. Configured and managed Jenkins pipelines (CI) to automate the testing testing.

### Graduate Engineer Trainee

Aug 2022 -Mar 2023

- Proficient in STLC concepts with strong knowledge of the Bug Life Cycle.
- Developed Python automation applications to streamline testing processes.
- Registered defects in JIRA with detailed logs, ensuring efficient tracking and resolution.

### DigiTV Automate

- Python-based automation script integrating video recording with motion detection, real-time Android log collection via ADB, automated ATSC application control using pywinauto.
- Employed multi-threading to handle concurrent tasks such as video capture, log monitoring, remote control input simulation, XML file modifications, automated stream selection and directory creation.

### Automated Test Case Script Generator for Android TV

- Designed Python-based tool in a Jupyter Notebook environment that automates test case script generation for Android TV by parsing raw data from machine generated logs.

### Front End Developer Intern

CompSoft Technology, Bangalore

- Contributed to front-end development projects, focusing on enhancing user interfaces and experiences using React.js.
- Gained industry-relevant skills, effectively applying in real-world projects.

## PROJECTS

### Full-Stack E-commerce Website (React, Django)

- Developed a scalable and responsive furniture e-commerce platform utilizing React and Django.
- Integrated robust user authentication and authorization mechanisms, protected routing ensuring secure access.
- Implemented dynamic shopping cart, wish list, review, and rating functionalities, enabling a seamless order placement.
- Designed modular, reusable UI components. Enhanced performance through features like pagination, search.

### React Portfolio

Developed a dynamic portfolio using React.js. Utilized AWS Lambda functions and API Gateway for serverless backend operations and deployed the application on AWS Amplify.

### Crop Disease Detection System Using Deep Learning | 2022

Developed and deployed a crop disease detection system using the NVIDIA Jetson Nano, trained a ResNet-based Convolutional Neural Network (CNN) with labeled plant leaf images. Utilized Python with TensorFlow and Keras for model training, enabling real-time disease identification and classification.

## ACHIEVEMENTS

- ERS Champion Award | HCL | 2024
- React Silver Certified | HCL | 2024
- Winner | College Final Year Project Exhibition | 2022
- State-Level Engineering Project Exhibition Finalist | 2022
- Quarter Finalist in Texas Instruments India Innovation Challenge Contest | 2019
- Achieved 5 start gold rating for Python, C++ and Problem-Solving in HackerRank

## ONLINE PROFILES

- [LinkedIn](#) 
- [Portfolio](#) 
- [HackerRank](#) 
- [Coursera](#) 
- [Github](#) 

## CERTIFICATES

- |                                 |                                   |                                   |
|---------------------------------|-----------------------------------|-----------------------------------|
| • Django Framework              | • Introduction to CSS3            | • Using Databases with Python     |
| • Advanced React                | • Introduction to HTML5           | • Using Python to Access Web Data |
| • React Basics                  | • AWS S3 Basics                   | • Python Data Structures          |
| • Interactivity with JavaScript | • Python Project for Data Science | • Playwright                      |

## TRAINING | HCL

- React Basic - Bronze Certified
- React Intermediate - Silver Certified
- C++

## EDUCATION

### B.E (Electronics and Communication Engineering)

Visvesvaraya Technological University, Bangalore with 8.5 CGPA

Aug 2018 - Aug 2022