Nihal Murmu

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Professional Experience

Member Technical
ADP Pvt. Ltd., Hyderabad, India | 09/2019 - Present

- Accelerated enhancements and upgrades to the existing **Spring-boot** applications which deal with orchestrating consumers requests to tax and payroll engines.
- Supported transitioning and decommissioning of **Spring-boot** based legacy applications as required, ensuring future access needs, retention, and compliance as per business requirements.
- Coordinated with business users team to serve business users and retain business with the help of a **Spring-mvc** based UI application.
- Assisted in devising further abstraction to existing consumers via a **Spring-integration** application, which also enabled integration with next gen tax and payroll engine.
- Assisted in migrating applications from **WebSphere** to **Tomcat**, upgrading from **Java 8** to **11** and moving from properties files based to **Spring-cloud-config** and **Hashicorp password vault**
- Engineered tools with **Python** to support development and quality assurance team to cut efforts short.

Education

- B.Tech - Information Technology | Silicon Institute of Technology - 2015-19 | 7.73 CGPA

Technial Skills

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+ Java                  + Spring Boot           + Spring Config

+ Spring Integration    + ReactJS               + Git

+ Python
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Projects

- **Distributed Smart Contract Manager using Blockchain**

    `Blockchain BigChaindb IPFS OAuth Docker MERN Stack`

    > *The project aims to provide a better approach to the existing cloud-based contact management system using distributed network and computation, involving peer-to-peer sharing.*

- **Automata Simulator**
  in development https://github.com/nihalmurmu/automata
  https://nihalmurmu.me/automata
  Education ReactJS

  > *Automata Simulator is a web application which can be used to play with state machine diagram, reducing the time faculties spends drawing and explaining in a step-by-step manner.*

- **Type-Master**
  7 days https://github.com/nihalmurmu/Type-Master
  Typing GUI Python

  > *It is a simple cross-platform GUI desktop application, which will help in improving user typing speed.*

- **Hangman-Game**
  3 months
  Game GUI Python

  > *PyHangman is a GUI desktop application for a word guessing game in python, in which the player has to guess the name of a country/movie, provided with some hint about that particular country/movie or movie-song.*

Achievements/Extra-Curricular

- Completed the Blockchain course under NPTEL (IIT(KGP) in collaboration with IBM)
- Internship on Blockchain Technology at Forants Interactive Systems Pvt. Ltd.
- Completed MongoDB Basics from MongoDB University.
- Finalist for the Smart India Hackathon, 2018.

Date :   Place:

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