CHANDAN YADAV NAGARAJA GOWDA

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SUMMARY

Computer Science Graduate with industrial research and development experience in Software Development, Decision analytics and Machine Learning. **Seeking full time opportunities for May 2021.**

EDUCATION

Master of Science, Computer Software Engineering   Graduating May 2021
Arizona State University, Tempe, United States of America   **GPA: 3.72/4.00**
Bachelor of Technology, Computer Engineering   Graduated June 2017
R. V College of Engineering, Bangalore, India   **GPA: 8.96/10**

TECHNICAL SKILLS

Languages & Frameworks: Java, C++, C, Python, Django, HTML, CSS, SQL, Node.js, React, MongoDB, JS, Embedded C, Prolog, Scheme
Technologies & Platforms: NLP, MATLAB, OpenCV, PRPC, Kali Linux, Git, SOAP, REST, CA AGILE CENTRAL, Pega
Operating Systems & Server Applications: Linux, Windows, Mac, Apache Tomcat Server.

PROFESSIONAL EXPERIENCE

Software Engineer Summer Intern   **Pegasystems, Cambridge, MA** May 2020 – Aug 2020
Low Code App Dev
- Developed and published APIs for data model CRUD use cases.
- Revamped the Data page implementation to Master -Slave Architecture which improved the Data Model performance by 42%.
- Implemented Data Relationships in Case management to enhance the capability of Low code App development.
- Designed a new employee portal for the interns which will be used exclusively by the next incoming interns.

Software Developer   **Pegasystems, Bangalore** Jan 2017 – Aug 2019
Decision Analytics
- Developed the Next Best Action (NBA) designer and created the strategies that combine predictive analytics and adaptive analytics to help make the next best action for the customer.
- Developed a DevOps pipeline to pull the production data to Sandbox and run the simulations to analyze the results of the Strategies, Predictive and Adaptive Models output before deploying to production.
- Designed a new intuitive workspace for users to work on decisioning based Pega rules – Prediction Studio.
- Implemented an API to create Data sets and Decision data records from the Pega Decision management-landing page. This resulted in 45% decrease in the overhead created while directly importing the datasets into models.

Sandbox Application – Fast track Revision Management
- Redesigned the Sandbox architecture and developed an efficient method to deploy immediate changes from development to Production Environment. Employed a lightweight application – Fast track change request, over the base application to encapsulate the changes to be deployed to the production.

Facial recognition-based employee monitoring system
- Developed an automated approach to supplant the existing employee monitoring system which required manual entry of data.
- Built a facial recognition-based monitoring system with emotion detector using haarcascade classifier and MobileNet model.

PROJECTS

- **(**Ongoing Startup – **Director of Machine Learning) Rosotics –** Developed the vision system for self-replicating drones with the purpose of functioning in a hive sense to additively manufacture large metal structures.
- **Math Ladder:** Web application built using **MERN** Stack which makes tedious learning process of mathematics fun and joyful.
- **deepC-Compiler :** Compiler for the language deepC – combination of imperative and object-oriented design.
- **Sociaper :** Web crawler + scraper – Used to scrape social media handles & feeds for fortune 500 companies.
- **R-Astah:** A modelling tool mimicking the functionality of the UML modelling tool –Astah*.

CERTIFICATES & PUBLICATIONS

- **IEEE** - Development of GPS/INS integration module using Kalman filter (ISBN: 978-1-5090-3378-2)
- **IJEECSE**-Voice Controlled Robotic Wheelchair for physically disabled with live data streaming (E-ISSN : 2348-2273).
- Pega Certified System Architect **|** Oracle Certified Java Programmer **|** Certified Ethical Hacker
- Developed a Chat bot for Pega7 application and integrated with different channels
- Participated in Amadeus Campus connect hackathon and secured 4th place - **Intelligent Traffic Management System**
- Online educator at Unacademy, taught Ethical hacking and Cyber Security.