

Kothuru Abhilash Reddy

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SUMMARY

- Has an overall experience of 1.5 years specializing in software development of BPM – PEGA/PRPC (Pega Rules Process Commander) applications in Pega PRPC, React JS and Typescript
- Involved in creating Class structures, Case management, Workflows, Data pages, Activities, Views, Report Definition, Service Rules, Declarative expressions, Validation Rules, Decision rules, Data tables, SLAs, and Correspondences.
- Experienced in pega cosmos constellation 8.8 with React.

EDUCATION

2017 - 2021 **Gokaraju Rangaraju Institute of Engineering and Technology** (GPA: 8.8/10)
B.Tech in Computer Science and Engineering, Hyderabad.
Coursework: Operating systems, OOPS through JAVA, DBMS, Artificial Intelligence and Neural Networks and Computer Networks.

WORK EXPERIENCE

Pega Systems — Associate Application Developer August 2021 - present

Responsibilities and Contribution:

- Designing Case Management, Work flows, Flow actions, Data transforms, Activities and Decision rules.
- Worked extensively with react components in pega cosmos constellation for customer service core applications.
- Wide usage of debugging tools like Tracer and Clipboard.

HashedIn by Deloitte — Software Engineer Intern July 2021 – August 2021

The goal of the project is to build a full stack website Expenso using sprint boot and angular framework

Responsibilities and Contribution:

- Actively involved in the Analysis, Design, and Development phase as part of the development team from scratch.
- Build Rest API calls to fetch transactions and enhanced the experience of the user with transaction categories.
- Contributed as a back-end developer by designing tables and developing database transactions in MySQL.

Tata Consultancy Services Summer Program July 2020 - September 2020

The goal of the project is to automate the extraction of information from Engineering diagrams and generate tables.

Responsibilities and Contribution:

- Designed the solution with various approaches and analyzed the performance.
- Detected instruments using YOLO algorithms in the diagram and Classified them using ResNet-152 and CNN.
- Performed image augmentation using ImageDataGenerator to improve accuracy by 10%

PROJECTS

Automatic Parking Slot System January 2020 – March 2020

Depending on the size and type of the vehicle, a parking space is automatically assigned as it enters the parking area.

- Developed an object detection model to detect the vehicle and a classification modal to identify the type of vehicle.
- Detected vehicle plate and preprocessed the image by OpenCV and imutils modules, and identified its number using pytesseract and tesseract packages in python.
- Designed the Parking lot database using PostgreSQL to store vehicle details and parked slots.
- *Technologies:* OpenCV with Python, YOLO algorithm, and usage of Ultrasonic sensor.

Custom Snap chat Face Filters March 2021 - May 2021

Desktop application to select and add custom filters for a human face using Haar Cascades algorithm and object detection.

- Improved the performance of the filter position by using object detection to identify the facial points.
- Developed a website to upload customer image and to select filters using Django, Html and CSS.
- Coordinate with other team members in the development process and deployed on Heroku.

SKILLS

Programming Languages: Core Java, J2EE, JavaScript, Python, SQL, C++, React JS, Typescript, OpenCV
Database: MySQL, PostgreSQL
Tools and Libraries: Pega PRPC 8.6 and above, Pandas, Numpy, Scipy, Scikit-learn, Tensorflow, Keras, Matplotlib
Specialities: Full Stack Development , Image processing, Machine Learning, Deep Learning(CNN)
Certifications: Pega Certified System Architect 8.6, Certified by TASK Database Programming and Database Design Course, Infosys certified software programmer