

Pranay Kandru

Software Engineer

CONTACT

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Location : Novi, MI 48375

EDUCATION

Michigan State University

BS Computer Science and Engineering

Graduated Dec 2017

East Lansing, MI

Cum. GPA: 3.32

TECHNICAL SKILLS

LANGUAGES

C, C++, Java, Python, JavaScript

FRONTEND

React.js, HTML, CSS, jQuery,
Bootstrap, Materialize

BACKEND

PHP, HIVE, HBase, SQL,
NoSQL, RESTful APIs,
RESTful MicroServices,
JUnit, Functional Testing,
Integration Testing,
Test Driven Development

INFRASTRUCTURE

AWS, Microsoft Azure,
Pivotal Cloud Foundry,
DialogFlow, Microsoft LUIS

TOOLS

Android Studio, PhpStorm
Github, Kanban, AccuRev,
Windows, Visual Studio,
Eclipse, Trello, CA Rally,
Git, Linux, Hadoop, Matlab

EXPERIENCE

FORD MOTOR COMPANY

Software Engineer - Framework & End-to-End Teams

Jan 2019 – Current | Dearborn, MI

- Developed a web-based configuration management tool using JavaServer Faces to modify Hive tables and HBase properties essential to our data ingestion process.
- Implemented a security system to prevent unauthorized changes in production environments and created an auditing mechanism to rollback unwanted changes made by software developers.
- Built a migration tool to allow users to propagate data and run end-to-end tests from development to production environments.
- Improved testing workflow for 25 developers by implementing multi-file inputs using regular expressions for our data mastering process.
- Created a microservice to clear a congested pipeline into the data lake, along with a web page to track blocking processes.

TECHSMITH

Internship & Capstone Program

Aug 2017 – Dec 2017 | East Lansing, MI

- Engineered a video clip editor; the web application integrates voice commands to simplify and quicken the video editing process.
- Designed and implemented the user interface of the application using ReactJS and the animation of the the images based on the natural language input.
- Optimized natural language processing model to handle a variety of inputs to produce proper outputs for seamless user experience.

PROJECTS

MOVIEPAST

Apr 2018 – Current | [Play Store Link](#)

- Developed an android application with a simple interface to search and display information about movies, tv shows, and actors.
- Utilized Google's Natural Language Processing service to comprehend voice commands from users. Written in Java.

MOVIE RECOMMENDATION SYSTEM

Jan 2017 - May 2017 | [Movie Recommender Link](#)

- Developed a movie recommendation web application utilizing machine learning to give users specific recommendations based on preferences.
- Constrcuted and optimized recommendation model using the machine learning algorithm k-means clustering in python. Application written with PHP and JavaScript.

EXTRACURRICULAR

MASSEYHACKS III

Android Development Mentor

Apr 2017 | Ontario, Canada

- Led a workshop at a Hackathon to teach Android Development fundamentals.
- Instructed students using a weather application; the application takes the user's current location and gives a five-day forecast using the OpenWeather API.