

JayaShankar Mangina

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EDUCATION

NORTHWEST MISSOURI STATE UNIVERSITY

MASTER'S IN APPLIED COMPUTER SCIENCE

January 2021 - Present | Maryville, MO, USA

GPA: 3.63/4.0 (Present)

S.R.K.R ENGINEERING COLLEGE

BACHELOR'S IN ELECTRONICS AND COMMUNICATION ENGINEERING

June 2015 - June 2019 | Bhimavaram, A.P, INDIA

CGPA: 6.3/10

EXPERIENCE

COGNIZANT TECHNOLOGY SOLUTIONS

PROGRAMMER ANALYST (PEGA DEVELOPER)

Nov 2019 - Dec 2020 | Hyderabad, India

- As a co-founder of the company, worked on shaping the product idea, technologies used and business plans.
- Developed RESTful APIs in Falcon and Flask for the MVP and later lead the migration to FastAPI leading to 5-10x faster server response times.
- Lead development of the user facing website for the MVP in ReactJS.
- The website and the company has now been launched and funded, and the website been handling more than 1000 sessions/week without a problem.

PROJECTS

CERT | SWIFT, XCODE, FIREBASE, COCOAPODS

Aug 2021 - Present

- EasyShop is a chatbot to find products using pictures and get best possible deals.
- Researched and found multiple third party APIs to accomplish our objectives and integrated it into our application by building a pipeline to move information efficiently.
- The payment processing was done with the integration with Visa API.
- The whole end to end solution is deployed on the Azure cloud and can be accessed on any social messaging service.

PIC-TO-SEND | SWIFT, XCODE

Aug 2021 - Dec 2021

- LinguaStream is a real time translation and transcription service along with an analysis and reference platform.
- Speech to Text transcription and translation are done through Google Cloud APIs.
- Captioning service is written in Python using tkinter, APIs are made using the FastAPI library.

WEBSOCKET CHAT | HTML, CSS, JAVASCRIPT, JAVA, SPRINGBOOT

Aug 2021 - Dec 2021

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- Captioning service is written in Python using tkinter, APIs are made using the FastAPI library.

COURSEWORK

- Web Applications and Services
- Object-Oriented Programming
- DBMS
- Advanced DBMS
- Data Visualisation
- Design Patterns and Frameworks
- Mobile Computing - iOS
- Graduate Directed Project - 1 and 2
- Big Data

TECHNICAL SKILLS

PROGRAMMING

Front-End:

HTML • CSS • JavaScript

Back-End:

Core Java • SpringBoot

Mobile Development:

Swift • SwiftUI

Database:

Google FireBase • MongoDB

Design & Wireframing:

Adobe Illustrator • Figma • Canva

Development & Build Tools:

VSCode • XCode • IntelliJ IDEA • GitHub

Git • Maven • Gradle

Familiar:

Dart • Flutter • MySQL • Shell

CERTIFICATIONS

2019 DigiEduHack

2019 HackKosice

2019 Cyber Defence Exercise

2018 Local Hack Day

2018 Oxford Hack

2018 Glasgow Hack

2017 DPS Noida

ACTIVITIES

EU Programming Society

EU Trading and Investment Club

CompSoc