Ms. Jayashri Masilamani

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EDUCATION

OVGU UNIVERSITY
M.Sc in Medical Systems Engineering (90 credits)
March 2020 | Magdeburg, Germany

ANNA UNIVERSITY
B.E in Biomedical Engineering
May 2015 | Chennai, India
Major GPA: 7.8/10

M.M.M HIGHER SECONDARY SCHOOL
Grad. May 2011| Chennai, India

LINKS

Website:// **Jayashri's website**
Github:// **jayashri**
LinkedIn:// **jayashrimani**
Twitter:// **@jayashri94**

INTERESTS

Software Development
Full-Stack Development
Artificial Intelligence
Deep Learning
DevOps & Microservices

SKILLS

PROGRAMMING
Over 2000 lines:
- Python
- NodeJs/Express
- Typescript
- ReactJS
- MongoDB
- Docker
- Kubernetes
- LaTeX
- Matlab

Over 1000 lines:
- HTML/CSS
- Django
- Java & Javascript

Familiar:
- Pytorch
- Tensorflow
- Keras

EXPERIENCE

SIEMENS HEALTHINEERS | AI internship
June 2018 – April 2019 | Forchheim, GER
- Topic "Learning based Medical Image Registration" State of the art Reinforcement learning (RL) algorithm called Proximal Policy Optimization(PPO) with Long Short Term Memory (LSTM) network used.
- Successfully Implemented RL algorithm for Medical Image registration task.

OVGU UNIVERSITY | Student Assistant Job
April 2017 – November 2017 | Magdeburg, GER
- Topic "Correlational Structure of EEG signals under different task conditions"
- Preprocessing, Cleaning and Decomposition of EEG signal.
- Power spectral Analysis using MATLAB.
- Functional Correlation (FC) and Coherence Analysis.

PROJECTS

TICKET SHARING MICRO-SERVICE APP | CODE | LIVE-DEMO
- Ticket sharing web application using micro-service architecture
- Using the application, anyone can create a new ticket for sale (concert,sport event etc.) and make available for anyone to buy it.

Libraries used: React, NextJS, Node/Express, Typescript, Mongo and Redis database, NATS, Stripe API, Jest.

FACE RECOGNITION APP | CODE | LIVE-DEMO
- The face recognition app is built using ReactJS framework.
- Recognizes the face in the input image link given to the app.

Libraries used:HTML5/CSS3, React.js Clarifai, Express, Tachyons, react-tilt, particles.js Bcrypt, Postgresql, cors.

WEATHER APP | CODE | LIVE-DEMO
- Weather App is a simple weather forecast app. It is built using node JS/Express.
- The app gives the information of the current weather when the location is given as input.

Libraries used: HTML5/CSS3, Node/Express, Request, Weather stack API.

CHAT APP | CODE | LIVE-DEMO
- Prof Sam Tilsen
- Topic "Correlational Structure of EEG signals under different task conditions"
- Preprocessing, Cleaning and Decomposition of EEG signal.

Libraries used: NodeJS, HTML5/CSS3, Bad-words, Express, Nodemon, Socket.io

AWARDS

| 2011 | High score in board exam | 1 year fees concession in university |
| 2010 | doubles runner-up | Badminton, Chennai district |