

Agnesh K R

Software Engineer

Hardworking and passionate learner. Complex problem-solver with analytical and driven mindset. Seeking to become better programmer everyday.

Work History

2021-01 -
Current

Software Engineer

Tismo Technology, Bangalore, India

- Worked on large monolithic php website connected to millions of devices across globe.
- Mitigated security risks of existing web application exposed to public. Familiar with security testing tools like zaptool.
- Worked on small PHP based web application used to monitor IOT devices using AWS IOT.
- Worked extensively with EC2 instances ,lambda functions,AWS IOT.Familiar with shadow topics,MQTT protocol,dynamic device provisioning.
- Created API based web application for embedded device using flask and bootstrap from scratch.
- Worked on python based implementation of SNMP agent.
- Developed responsive UI for embedded application using pyqt.
- Currently working on gateway application that can handle IOT devices connected to it.

Current Goals

Solidify Understanding about Networking Concepts. Delve deeper into design patterns to learn efficient ways of reusing components to handle very large projects.
Learn more about microservice architecture and work on projects using microservice architecture.

Contact

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Skills

Python&node JS



C++



Javascript



Java



PHP



HTML and CSS



SQL

Education

- 2016-05 - 2020-05** **Bachelor of Computer Science**
College of Engineering Trivandrum - Kerala,India
CGPA 8.0
- 2013-03 - 2015-05** **Senior Higher Secondary Education: Higher Secondary Education**
Kulapati Munshi Bhavan's Vidya Mandir Pottore - Kerala,India
Aggregate : 93.4%
- 2012-06 - 2013-07** **Secondary Education**
Kulpathi Munshi Bhavans Vidya Mandir - Kerala,India
CGPA: 9.8

Personal Projects

- **A smart pen that convert handwritten notes to digital text using an accelerometer.**

Used deep learning techniques to classify alphabets. Was able to achieve a success rate of more than 95% using CNN model.

Technology/Tools:tensorflow,python,node.js

- **Android bus tracking application using realtime database.(College Project)**

Android application to track the location of school bus for parents.

Technology/Tools: Android Studio, Firebase

●●●●●
Very Good

Mongodb
●●●●●
Good

Linux shell
●●●●●
Very Good

AWS
Lambda,DynamoDB,EC2
●●●●●
Very Good

AWS IOT , Access management
●●●●●
Very Good

Android Development
●●●●●
Average

Technologies Used

Node JS

- **Flask**
- **Express**
- **Bootstrap**
- **Django**
- **MongoDB**
- **MySQL**
- **AWS Ec2,Lambda,Dynamodb**
- **AWS IOT**
- **Zap tool(Penetration testing)**
- **Android Studio**
- **Git**
- **Adobe XD**