

VINUTHA M

Mobile No : +91 7760316610

Email Id : Vinu681@gmail.com



WORK EXPERIENCE SNAPSHOT

- Worked as a Software Engineer in V.V Technologies, Tumkur for 1 year and worked on Web Application projects, and gained idea on several technologies like Java, JSP, CSS, HTML, JavaScript, Basic Android Applications, Web Services, GitHub etc.
- Working as an Assistant Professor in M.S Engineering College ,Computer Science Engineering Department from 29.08.2018.

EDUCATIONAL BRIEF

Qualification	Board/ University	Institution/College/ School	Year of Passing	Aggregate	Class Obtained
M.Tech(C.N.E)	VTU, Belgaum	Nitte Meenakshi Institute of Technology, Bengaluru	2017	76%	FCD
B.E(C.S.E)	VTU, Belgaum	Nagarjuna College of Engineering and Technology, Bengaluru	2015	71.43%	FCD
P.U.C(P.C.M.B)	Karnataka PU Board	Swami Vivekananda Composite PU College,Mallur	2011	86.33%	FCD
S.S.L.C	Karnataka State Board	Maya English High School, Vijayapura	2009	87.04%	FCD

TECHNICAL PURVIEW

Programming Languages Used :	C, C++, JAVA, HTML, CSS, JSCRIPT,SQL
Operating Systems :	Windows, Fedora & Ubuntu
Others :	M.S. Office
Tools Used :	Turbo C++, Eclipse, Netbeans and Mysql

WORKSHOPS ATTENDED

Sl. No.	Name of the Workshops	Date	Place
1.	Cyber Security and Penetrating Testing	13 th & 14 th Sept, 2013	N.C.E.T., Bengaluru
2.	5 days Hands-on Workshop on: Internet of Things(IoT):Architecture, challenges and Applications	27 th to 31 st Jan, 2016	Nitte Meenakshi Institute of Technology, Bengaluru

TECHNICAL PAPER PRESENTATION DETAILS

Sl. No.	Title	Name of the Conference	Date	Place
1.	Automated Tool for Administration of MLAN	National Conference in Emerging Trends in Technology (NCET-TECH)	April 24 th & 25 th 2015	N.C.E.T., Bengaluru
2.	Improving Student Performances and Security using RFID	National Conference in Information Science(INFOHUB)	18 th May,2015	N.C.E.T., Bengaluru
3	Security Considerations for IoT Application Layers using MQTT	National Conference on "COMPUTATIONAL INTELLIGENCE" (NCCI)	Sept 15 th ,2017	Kristu Jayanthi College, Bangalore

WORK EXPERIENCE

- **Designation : Software Engineer**
- **Company Details :** V.V Technologies, C3 Central, SIT College Back Gate Road, Tumkur.
- **Technical Languages Used:** Java, Jsp, Jscript, Html, CSS,SQL.
- **Projects Done:**
 1. Home Automation using web Services: The Home Automation project was done in the company, so I took part in generating the IoT devices values for every trigger using webservices and JSON format,which is simpler object notation.
 2. Student Registration Web Application: This project has been done for the registration of students instead of manual writing,they can register through the system and all the records of students like payment details and all maintained through this application.
 3. Online Examination: The Online examination project has been done inorder to take the exam online on different subjects they like and the marks can be calaculated and the students can be registered by the admin and their individual username and password is mailed to them for later login and taking the exam
 4. Malicious Email: In this project detection of malicious mail based on the type of file received and there are three steps to examine first one is to detect the malicious email second step is apply classifier to classify according to the emails received and send to trash automatically and delete directly.
 - 5.Income and Expenditure Record: In this project I have done a swing application to calculate income,sales and expenditure details record of the company, and so on projects.
- **Date from :** From August 2016 to August 2017.

ACADEMIC PROJECT DONE

Project Name : SECURITY CONSIDERATIONS FOR IoT APPLICATION LAYERS USING MQTT.

Description: The planned work, "Security Considerations For IoT Application Layers using MQTT" essences on Security in IoT applications amongst the layers which can eradicate diverse security problems in every stratum of IoT. HTTP has used extensively for data transmission. Whereas, in the networks of IoT, HTTP offers some disqualities. To resolve this subject, other correlated transfer protocols have been scrutinized. When the HTTP and MQTT protocols have been observed and compared, the performance of HTTP with that of MQTT is less and offers greater overhead too. Hence, improvements using MQTT has made to secure the IoT Network Technology for secure and better presentation along with the security inhibited methodologies.

Languages Used: Java, Android

EXTRA-CURRICULAR ACTIVITIES

- Student Coordinator for 2 days National Conference on Emerging Trends in Technology in 2015.
- Student Coordinator for 2 days workshop on Cyber Security and Penetration Testing in 2013.
- Event Coordinator for college fest (Ikya 2014).
- Participated in "The Hindu young fest-2006" held at Bangalore.
- Awarded with merit excellence award in 1st and 2nd PUC for good score also in M.Tech.
- Certified as the Best Paper titled ' Security Considerations for IoT application Layers using MQTT' at the National Conference on "COMPUTATIONAL INTELLIGENCE (NCCI-2017)" organized at Kristu Jayanthi College, Bangalore.

PAPER PUBLISHED

Published Paper with title 'Security Considerations for IoT application Layers using MQTT' at the National Conference on "COMPUTATIONAL INTELLIGENCE (NCCI-2017)".

The paper was peer reviewed by three blind reviewers and recommended it to publish in IJCEA issn 2321-3469, Vol XI, Issue IX September 2017.