

Naveen Umesh Badiger

+91 7019346318

[badigernaveen2@gmail.com](mailto:badigernaveen2@gmail.com)

[www.linkedin.com/in/naveen-badiger-68822b221b](https://www.linkedin.com/in/naveen-badiger-68822b221b)

<https://github.com/Naveenub>

---

## **Summary:-**

Dedicated and results-driven Technical Associate with 2.3 years of experience in networking concepts, troubleshooting, software package testing, hardware and software debugging, scripting, API integration, cloud integration, SQL, database migration, Linux administration, JIRA management, and programming languages such as C and Python. Possess a solid foundation in electronics and communication, coupled with practical experience in technical support and engineering roles.

---

## **Technical Skills:-**

Networking Concepts  
Basic Troubleshooting  
Software Package Testing  
Hardware and Software Debugging  
Scripting (Bash scripting and shell programming)  
AWS (IAM, EC2, Cloud9, CloudFront, Lambda, SES, SNS, S3, DNS, Security)  
API Integration (REST & SOAP), API Protocols (HTTP/HTTPS, MQTT)  
Database (MySQL, PostgreSQL, Oracle SQL, Microsoft SQL)  
Linux Administration  
JIRA Management  
Programming Languages: C, Python

---

## **Work History:-**

**Associate Engineer** at ZKTECO Biometrics Pvt Ltd, Bangalore (Oct 2022 – Present)

**Software Package Testing:** Spearheaded comprehensive testing of software packages to ensure optimal functionality, reliability, and performance. Developed and executed rigorous test cases, documented results, and reported issues for prompt resolution.

**Hardware and Software Debugging:** Utilized systematic troubleshooting and debugging techniques to identify and resolve complex hardware and software.

**API Integration:** Successfully integrated third-party APIs into existing systems, enabling seamless communication and data exchange. Integration of custom API endpoints and protocols (REST, SOAP) to facilitate with external platforms and services.

**SQL Database Migration:** Managed database migration projects involving various databases (MySQL, PostgreSQL, MongoDB, SQL Server). Planned, executed, and validated migration processes to ensure data integrity and minimal downtime.

**Cloud Integration:** Successfully integrated data-storage applications for Pay-Roll, Employee Records, Attendance records, and other.

## **Technical Projects:-**

### **Project 1: AWS Cloud Integration Project for HR Management System**

- Integrated Payroll, Employee Records, and Attendance Records into a unified AWS cloud solution using Amazon S3, Amazon RDS, and AWS Lambda.
- Developed RESTful APIs with Amazon API Gateway for efficient data access and manipulation.
- Managed data migration and ensured data integrity while configuring AWS IAM for secure access.
- Monitored application performance and logging using Amazon CloudWatch, enhancing operational efficiency.
- **Technologies Used:** S3, RDS, Lambda, IAM, and CloudWatch

## **Project 2: AWS Access Control Application for Multi-Device Connectivity**

- Developed an access control application on AWS, enabling secure HTTPS connections from multiple devices to the application server using Amazon API Gateway.
  - Implemented AWS Lambda for processing requests and triggering notifications for daily transactions and irregular activities.
  - Utilized Amazon SNS to send real-time alerts and alarms for overload conditions and unusual transaction patterns.
  - Configured Amazon CloudWatch for monitoring application performance and established AWS IAM for secure user access management.
  - **Technologies Used:** Amazon API Gateway, AWS Lambda, Amazon SNS, Amazon CloudWatch, AWS IAM, HTTPS.
- 

## **Education:-**

### **Bachelor of Engineering**

Electronics and Communication

KLS's VishwanathRao Deshpande Institute of Technology, Haliyal

Period of Study : July 2019 to July 2022

CGPA : 7.67/10

### **Diploma**

Electronics and Communication

K H Kabbur Institute Of Technology, Vidyagiri, Dharwad

Period of Study: July 2015 to Dec 2018

Percentage Secured: 73.52%

## **EducationProjects:-**

### **Design of VLSI System and Verification of Digital Circuits using Cadence Virtuoso Simulation Tool**

**May 2021 - Aug 2021**

- Collaborated in a team of four to design a low-power ASIC for IoT devices, focusing on the physical design aspects including floor-planning, placement, and routing using Synopsys tools.
- Conducted extensive timing analysis to ensure that the chip meets the critical timing requirements, applying techniques learned in coursework.
- Performed DRC and LVS checks to ensure the design adheres to foundry rules, resulting in a design ready for fabrication.

### **University Project: IoT based Industry Security Automation using Raspberry-Pi**

**Oct 2021 – Feb 2022**

- Implemented Raspberry Pi board with Wi-Fi module as an embedded device for sensing and storing the data in cloud.
  - Implemented the embedded system with its components for reading and to store the pollution parameters in cloud.
  - After sensing the data from different sensor devices, which are placed in particular area of interest. The sensed data will be automatically sent to the web server, when a proper connection is established with server device. By entering IP address of server which is placed for monitoring we will get the corresponding web page.
- 

## **Internship:-**

Haegl Technologies Pvt Ltd, Dharwad

Specialization: Artificial Intelligence And Internet Of Things

Period: 01<sup>st</sup> September 2021 To 30<sup>th</sup> September 2021

---

### **Achievements:-**

- ORBITX Certified Internship and Researcher
- Issued by: ORBITX
- Date earned: May 2024
- Demonstrates skills in Design and development of electronic systems, communication systems, and navigation systems for the launch vehicle which include power systems, control systems, and avionics.

### **Skills:**

- **Programming Skills:** Proficiency in programming languages, such as C, C++, Python, and MATLAB.
- **Electronics and Communication:** Knowledge of electronic circuits, communication systems, and navigation systems.

Link:-

<https://github.com/Naveenub/OrbitxCertificates/blob/d2b3c0c197cb53006a46f23583ce3c1fbbfa8756/Certificates%20of%20approval%20Orbitx.pdf>

---

### **Certificates:-**

1. Complete Linux Training with Troubleshooting
  2. Bash Scripting and Shell Programming
  3. AWS Cloud Technical Essentials
  4. DevOps on AWS: Code, Build and Test
  5. DevOps on AWS: Release and Deploy
  6. DevOps on AWS: Operations and Monitor
  7. Advanced Testing Practices Using AWS DevOps Tools
- 

### **Course:-**

1. Introduction of Network and Network security (Udemy)
  2. AWS Fundamentals (Coursera)
  3. DevOps on AWS Specialization (Coursera)
-