Jeeson K James

✉ jk.jeeson@gmail.com
📍 Banglore, India
in linkedin.com/in/jeeson-k-james

📱 9747503147
jeeson-k.github.io/jeeson/
github.com/jeeson-k

WORK EXPERIENCES & PERSONAL PROJECTS

Software Engineer
Amantya Technologies
02/2022 - Present
Achievements/Tasks

- Deals with 4G LTE and 5G Stack Layer development for Verizon.
- Plays key role in developing 4G LTE Stack side adapter for connecting L2 and L3 Layers.
- Deep understanding about L1,L2(RRC,RLC,PDCP,MAC)&L3(NAS) layers, TTCN, SA, eNB, UE,3GPP.
- Demonstrated expertise in testing testcases according to the testplan andProficiently troubleshoot simple and complex jira issues for 4G.

Software Engineer
Tayana Software Solutions
10/2021 - 02/2022
Achievements/Tasks

- Worked with UPCC and PCRF team developing TashiCell (Butan 5G Network).

Portfolio Website Development
Personal Project
Achievements/Tasks

- **Technical Skill Demonstration** : Developed a fully responsive personal portfolio website using HTML5, CSS3, and JavaScript, ensuring compatibility across various devices and screen sizes(Responsive Design).

SIFLI(Smart Intravenous Fluid Level Indicator)
Personal Project
2020
Achievements/Tasks

- Led a team of 4 and was instrumental in completing SIFLI by designing a new device that could reduce the workload of nurses by automating the process of periodic checking of the fluid levels of IV drip.

Efficient LoRa GPS Tracker for Dementia Patients
Personal Project
2019
Achievements/Tasks

- We propose an innovative, energy-efficient wristband that integrates the latest LoRa communication and GPS duty cycling technologies. Our model and data demonstrate that this GPS wristband can support up to 40 hours of continuous tracking with location updates every 60 seconds. It also boasts a range of 3 km, making it highly effective for monitoring patient locations.

Rapid Emergency Distress Signal
Personal Project
Achievements/Tasks

- To enhance emergency communication and location-based services for disaster information reporting during serious natural disasters, we propose a solution based on LoRaWAN networks.

EDUCATION

BTech in Electronics & Communication.
Saintgits College of Engineering Pathamuttom
08/2016 - 08/2020   *Kottayam*

SKILLS AND ABILITIES

4G LTE 5G C++ DSA
GitHub Jira Problem solving
TCP/UDP Presentation Team work
Linux TTCN IDEs Debugging
Adaptability C OOP
Management

ACHIEVEMENTS

5 star coder
HackerRank - 5 star Gold medal in C++

YOUNG INNOVATORS PROGRAM (YIP) (2019)
Tracker for Dementia Patients. State level innovators competition. One of the top ten finalist held in Kannur

Paper Published in International Research Journal(IRJET) & Presented in International Conference.(I CASE) (2020)
SIFLI(Smart Intravenous Fluid Level Indicator)

Paper Presentation (2018)
Got selected for the finals paper presentation Conducted as a part of NIT Tech Fest.

Technical quiz competition. (2017)
Conceived First prize, Conducted by IEEE saintgits

Techtop. (2015)
Led a team of five to successfully design and develop a natural liquid alternative to current chemical solutions, along with an improved mechanism for source termination. Achieved recognition as one of the ten finalists in India at the National Innovation Contest for Students held in Thiruvananthapuram

Yuva MasterMind (2015)
Led a team of 5 and successfully designed and developed a natural liquid that is an alternative for the chemical liquid we use today, and an improvised mechanism for source termination, National level innovation competition Finalist.

Southern Indian Science fair. (2014)
Led a team of two in All India science competition, finalist Conducted by Tamil Nadu Government in Chennai

State science fair. (2013)
Led a team of two and secured second place in a state-level science competition organized by the Kerala State Government in Kannur .

INTERNSHIP & COURSES

ISRO (2014)
Student program held in connection with world space week celebration by VSSC

BSNL (2017)
Basic Telecom (2 weeks). Held in Thriruvananthapuram.

Coursera
Reliable Google Cloud Infrastructure: Design andProcess