



JATIN BHOSALE

Embedded Systems
Engineer

+91 8087 464 494

jatin.bhosale@somaiya.edu

A-201, Gods's Gift Apartment,
Trivedi Nagar, Boisar – 401501.

SKILLS :

Microcontrollers

Communication Protocols

C Language

Assembly Language

Real Time Operating Systems

Linux Operating Systems

PCB Design

CAD Modelling

Technical Writing

Project Management

Excel and PowerPoint

SUMMARY

B.Tech in Electronics Engineering with experience in Product Engineering, willing to secure a challenging position in a reputable organization to expand my learnings, knowledge and skills, while making a significant contribution to the success of the company.

EDUCATIONAL QUALIFICATIONS

B. Tech in Electronics Engineering

K. J. Somaiya Institute of Engineering and Information Technology

2018-2022

CGPA: 8.47 (till 7th Semester)

XIIth

Chinmaya Vidyalaya Tarapur (Central Board of Secondary Education)

2018

Percentage: 87.00 %

Xth

Chinmaya Vidyalaya Tarapur (Central Board of Secondary Education)

2016

Percentage: 92.60 %

EXPERIENCE

Product Engineering for UASS

Company: Databyte Services and Systems, Mumbai

Project: Development of Radiosondes: mission-critical instrumentation devices for military and meteorological applications.

Duration: Oct 2020 to Dec 2021

Responsibility: Designing Embedded Systems, Designing PCBs, Testing Systems on-field, contacting and following up with the suppliers and fabricators, and managing my team members.
Participated in a tender evaluation and product demonstration by IMD at Mausam Bhavan, New Delhi.

Mentor: Mr. Vishram Bapat

PROJECTS

Automated Groundstation System

The design and development of a fully automated low-cost server-based Ground Station system consisting of an Antenna, Antenna Rotator, Base Transceiver System, Server and a Web-based GUI to enable communication with the BeliefSat-1, engineered using COTS component. The design uses innovation to reduce costs and complexities.

BeliefSat – 1 for ISRO's PS4-0P

BeliefSat-1 is a 2p-PocketQube standard nano-satellite being developed by the students of KJSIEIT, approved by ISRO for the PS4-Orbital Platform Program. It hosts a variety of sensors alongside VHF-UHF Voice Repeater and VHF-VHF Digipeater in the Amateur Radio Band. The deployer-SomaiyaPOD is developed inhouse and shall be open-sourced for future missions.

ACHIEVEMENTS

- Secured **3rd rank** in Anveshan: National Student Research Convention organized by Association of Indian Universities (AIU) representing University of Mumbai in 'Engineering and Technology' category.
- Secured **1st Prize** in VHF Antenna Design Contest at LARC-2019
- Licensed Amateur Radio Operator with callsign: VU3FPK
- Founder – CROWN Amateur Radio Club, Mumbai (VU2CWN)

References

Mr. Rohit Bokade

Python and ML Dept Lead,
Tmedia Business Solutions.
rohit@tmediabusinesssolution.com
+91 89836 09981

Dr. Umesh Shinde

Dean – Research Development and
Consultancy, KJSIEIT.
ushinde@somaiya.edu
+91 98921 68052