



# JATIN BHOSALE

## Embedded Systems Engineer



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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

### REFERENCES:

#### Mr. Rohit Bokade

Python and ML Dept Lead,  
Tmedia Business Solutions.  
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#### Mr. Vishram Bapat

Director,  
Databyte Services and Systems  
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#### Dr. Umesh Shinde

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and Consultancy, KJSIEIT.  
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#### Dr. Milind Nemade

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Engineering, KJSIEIT.  
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## 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 7<sup>th</sup> Semester)

### XII<sup>th</sup>

Chinmaya Vidyalaya Tarapur (Central Board of Secondary Education)  
2018

Percentage: 87.00 %

### X<sup>th</sup>

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

