

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI – 590018**



**An Internship Report on  
“PREDICTING THE SONAR ROCKS AGAINST MINES USING  
MACHINE LEARNING”**

**Submitted in partial fulfillment of the requirements for the degree of  
BACHELOR OF ENGINEERING  
COMPUTER SCIENCE AND ENGINEERING**

**Subject: INTERNSHIP [18CSI85]**

**Submitted By  
RAHUL D SHETTY (4JK20CS038)**

**Internship carried out at  
BOSCH PRIVATE LIMITED**

**Internal Guide**

**Mrs. Nayana Yadav  
Assistant Professor  
AJIET, Mangaluru**

**External Guide**

**Mr. Shravan  
Python Developer  
Bosch Limited, Bangalore**



**Department of Computer Science and Engineering  
A. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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(Approved by AICTE, New Delhi, Affiliated to VTU Belagavi,  
Recognized by Govt. of Karnataka)**

**Accredited by NBA (BE: CV, CSE, ECE, ISE & ME)  
NH-66, Kottara Chowki, Mangaluru – 575006  
2023-2024**

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## CERTIFICATE

Certified that the Internship Report titled “**PREDICTING THE SONAR ROCKS AGAINST MINES USING MACHINE LEARNING**” is carried out by Mr. **RAHUL D SHETTY**, USN: **4JK20CS038**, a bonafide student of A.J. Institute of Engineering & Technology, Mangaluru, at **Bosch Limited, Bangalore** in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

The report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said Degree.

  
Mrs. Nayana Yadav  
Internship Guide

  
Mrs. Snitha Shetty  
Internship Coordinator

  
Dr. Antony P J  
Vice Principal &HOD  
H.O.D. - Computer Science & Engineering  
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY  
Mangaluru - 575 006, D.K., Karnataka


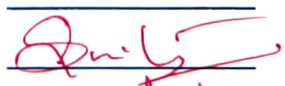
  
Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

### Examiners

1. Dr. Antony P J
2. Mrs. Snitha Shetty



Signature with Date

  
  
30/5/24



**BOSCH**

Bosch Limited  
No. 42, II Phase, Sector 2,  
KIADB Industrial Area,  
Shanumangala, Bidadi Hobli,  
Ramanagar Dist-562 109.  
www.boschindia.com

Tel :

Fax :

Date : 11.09.2023

Your ref/date

Our ref

BidP1/HRL/TCT

**CERTIFICATE**

This is to certify that **Mr. RAHUL D SHETTY** from AJ Institute Of Engineering and Technology Mangalore, pursuing BE in Computer Science Engineering has completed his internship training at our Bosch Bidadi Location.

Internship training period was from **14.08.2023 to 10.09.2023**.

During this period his performance and conduct was good.

Yours sincerely,  
For **Bosch Limited**,

Seetharamu. G 11.09.2023

Manager

(Training & Development)

**Bosch Limited**

No. 42, Phase-2, Sector 2  
KIADB Industrial Area  
Shanumangala, Bidadi Hobli  
Ramanagara District - 562 109.