

ASHUTOSH RAMESH PATIL

Branch: **Mechanical Engineering**

Email: ashutoshpatil225@gmail.com

Mobile no.:7709730148/ 7972478363.

Jalgaon, Maharashtra.



OBJECTIVE

To be a part of a dynamic, challenging and fulfilling work environment which pushes my growth in professional as well as individual capacities.

ACADEMIC QUALIFICATION

EXAM / DEGREE	YEAR	NAME OF INSTITUTE	UNIVERSITY	PERCENTAGE/CPI
B.Tech	2020	Vishwakarma Institute of Technology, Pune	PUNE UNIVERSITY	8.34
TY B.Tech	2019	Vishwakarma Institute of Technology, Pune	PUNE UNIVERSITY	8.22
SY B.Tech	2018	Vishwakarma Institute of Technology, Pune	PUNE UNIVERSITY	7.99
FY B.Tech	2017	Vishwakarma Institute of Technology, Pune	PUNE UNIVERSITY	7.56
12 th	2016	Dhanaji Nana College, Jalgaon	H.S.C BOARD	86.77 %.
10 th	2013	Biyani Military school, Bhusawal	S.S.C. BOARD	84.91 %.

WORK EXPERIENCE / INTERSHIPS

- Project trainee at **BARC (Bhabha Atomic Research Centre)** for 5 months (1st Aug – 31st Dec 2019). Worked on 'Tensile Behavior of Zr-2.5%Nb containing 500wppm hydrogen at elevated temperature' in Mechanical Metallurgy Division, BARC, Mumbai.
- Intern at **IUCAA (Inter-University Centre for Astronomy and Astrophysics)** for 2 and half months (1st Jan – 15th March 2019). Worked on Mechanical design and Manufacturing of 'Rectangular Horn Antenna' in Radio Physics Lab, IUCAA, Pune.
- Intern at **IUCAA (Inter-University Centre for Astronomy and Astrophysics)** for 2 months (1st June - 31st July 2018). Worked on Mechanical design of '*The large 3-meter diameter Parabolic Antenna*' in Radio Physics Lab, IUCAA, Pune.

PROJECTS

- **'Tensile behavior of Zr-2.5%Nb containing 500wppm hydrogen at elevated temperature'** at Bhabha Atomic Research Centre, Mumbai.
- **'Amphibian Coastline Scrutiny Bot'** using integrated system of vane and wheel.
- **'Water surveillance Spy Robot'** using GPS module and mini spycamera.
- Design and Analysis of **'The large 3-Meter Parabolic Antenna'** for **Inter-University Center for Astronomy and Astrophysics (IUCAA), Pune.**
- Complete Design, Analysis and Manufacturing of **'Seven Rectangular Horn Antenna'** for **TLC workshop on Radio Observation on 9th March 2019** for **Inter-University Center for Astronomy and Astrophysics (IUCAA), Pune.**
- **'Automatic Water Management System'** having custom-made centrifugal pump and butterfly valves.
- **'Mini Centrifugal Cost Effective Pump'** with higher efficiency.
- **'Automatic Street Lighting and Toll Plaza'** using IR sensors and Servo motor.
- **'Walking Stick for Blind People'** using Ultrasonic sensors.

ACHIEVEMENTS & AWARDS

- **All India Rank 1st** in **SUPRA SAEINDIA 2019** (India's biggest formula student competition) by *Veloce Racing Team, VIT, Pune*; which was conducted by **SAEINDIA** with the support of Maruti Suzuki at *Buddha International Circuit, Greater Noida in Delhi* from 15th July 2019 to 20th July 2019.
- **All India Rank 2nd** in *Formula Bharat 2020 (Engineering designing and Racing competition)* by *Veloce Racing Team, VIT, Pune*; which was held at the Kari Motor Speedway in Coimbatore from 22nd January 2020 to 26th January 2020.
- **All India Rank 3rd** in **SUPRA SAEINDIA 2018** (India's biggest formula student competition) by *Veloce Racing Team, VIT, Pune*; which was conducted by **SAEINDIA** with the support of Maruti Suzuki at *Buddha International Circuit, Greater Noida in Delhi* from 11th June 2018 to 16th June 2018.
- **All India Rank 39th** in 4th Year Mechanical engineering in *National Engineering Olympiad 3.0* which was conducted in April 2020.
- **College Topper** in *Higher Secondary Certificate, HSC, (XII Grade)* in 2016.
- **Won an Award of Scholarship for Higher education(SHE)** {of Rs. 80,000 per year for five years} under Innovation in Science Pursuit for Inspired Research (INSPIRE) by virtue of performance within top 1% of the School Board at Class XII level in the Examination held during the academic session ending March 2016.
- **Gold Medalist** in *Science Olympiad* organized by Dhanaji Nana college in 2015 (XIth
- **Silver Medalist** in *Mathematics Olympiad* organized by Dhanaji Nana college in 2015 (XIth).
- **Qualified for National level** in *Martial Arts Championship* in year 2010 and 2011.
- **State level player in football** in year 2010.
- **Silver medal at State level** in *Martial Arts Championship* in year 2009.

TECHNICAL SKILLS

- Good command on software like:-
 - Catia V5, Solidworks, AutoCAD, Ansys, Microsoft office.
- Basic knowledge of software like:-
 - Arduino IDE, Matlab Simulink, Origin Pro-8, SigmaPlot.

CO-CURRICULAR ACTIVITIES

- **Member of Veloce Racing Team** (Technical Club of VIT, Pune) (SAE Formula Student Team), in which we had done designing, simulation and modeling of a SAE formula type car for Vishwakarma Institute of Technology, Pune. I had worked in Chassis subsystem.
- **Head of Antariksh Club** (Astronomy club of VIT, Pune) of Vishwakarma Institute of Technology, Pune.
- **Successfully completed** four week's project with **A+ Grade in Automotive Electronics** conducted by the Department of E&TC Engineering during 15th June 2017 to 15th July 2017.
- Participated in **100 Hours of Astronomy** by **International Astronomical Union (IAU)**.
- Attended workshop on "**Network and Mobile Security**" organized by **The Microsoft Certification Course Team** at Vishwakarma Institute of Technology, Pune on 25th and 26th February 2017.

EXTRA-CURRICULAR ACTIVITIES

- *Organized and Managed 'Sky Observation and Telescope handling' session in April 2017, November 2017, February 2018, February 2020.*
- *Volunteered for National Science Day at Inter-University Center for Astronomy and Astrophysics (IUCAA), Pune in 2020, 2019 and 2018.*
- *Organized and Managed 'Giant Meter Wave Telescope (GMRT)' visit in March 2019.*
- Participated in '*Mech IQ*' in Mélange 2018 organized by Vishwakarma Institute of Technology, Pune.
- Achieved Second Position in '*Asphalt 8 Racing*' in Mélange 2017 organized by Vishwakarma Institute of Technology, Pune.
- *Actively participated and donated blood in 'Blood-D'* organized by Armed Forces Medical College, Pune (AFMC) and Sassoon General Hospital, Pune in September 2016, March 2017, September 2017, March 2018, September 2018, March 2019, September 2019.
- Participated in social event '*Social-Shots*' held in the institute during '*Vishwakarma Week 2017*'.
- Event Organizer of the event '*ROBO-SOCCER*' in Mélange 2017 organized by Vishwakarma Institute of Technology, Pune.
- Participated in social event '*Police Mitra (Cops' friend)* and helped cops for crowd management during *Ganesh Visarjan*' (bid adieu to Lord Ganesh) in 2016 Organized by VIT Social club.

- Participated in ‘*Tree Plantation and Conservation program*’ organized by Dr. Nanasaheb Dharmadhikari Pratishthan in 2016.
- Participated in ‘*Swachata Abhiyan (Clean city program)*’ organized by Dr. Nanasaheb Dharmadhikari Pratishthan in 2016.

AREA OF INTEREST

- Designing, analysis, modeling and simulation of Mechanical System.
- Manufacturing processes, Material science and Production Technology.
- Observational Astronomy.

SKILLS AND STRENGTHS

- Willingness to learn
- Creativity
- Management
- Organization
- Leadership Problem-solving
- Teamwork
- Active Listening
- Self-Confident
- Loyalty

HOBBIES

- Solving Complex Trigonometric Questions.
- Watching Sci-Fi movies and trying to connect real engineering with the movies.
- Playing PC Video Games.
- Art and Craft.
- Long rides on bikes.

PERSONAL DETAILS

- Father’s Name : Mr. Ramesh Patil
- Mother’s Name : Mrs. Sumati Patil
- Date of Birth : 18th July 1997
- Gender : Male
- Language : Marathi, Hindi, English.

Note: I hereby declare that all the facts and figures are true to my knowledge.