



Prathamesh Pawaskar

B.E. Mechatronics Engineering

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Course	College/University	Year	CGPA/%
PNPT	TCM security	ongoing	
B.E. Mechatronics Engineering	Mumbai University	2019-23	8.23
CBSE(11th/12th)	Pace ,VPGS ,(PCM)	2017-19	61
School(SSC)	St Ursula School	2017	92.80

SCHOLASTIC ACHIEVEMENTS

- Secured **1st rank** in E-yantra robotics competition [2022]
- Secured **2nd rank** in Gesture controlled robotics competition [2022]
- Cleared elementary, intermediate b grade [2016]

WORK EXPERIENCE

- **design team lead | Eyantra robotics lab,IIT Bombay** [Jun'22-Jul'22]
 - modulocopter(quadcopter design)
 - side projects pertaining to startups
- **innovation programming role ESVC | Mumbai Univ.** [Jun 21 -Nov 21]
 - attempt at lane detection
 - interfacing with ESVC vehicle electricals

SKILLS & INTERESTS

- **Programming Languages:** c-embedded, Python, bash, latex
- **Tools & Libraries:** arduino ide, raspberry pi terminal ,numpy, joystick.h, Latex, Matplotlib, SPI.h,MFRC522.h., FUSION360, Circuit building and testing,Easyeda,Automation studio,Keil Uvision4,~~ATx~~**ATx**
- **Interests:** Functional programming ,product development , cad,strength analysis ,innovation

PROJECTS

- **UNDERGROUND WIRE FAULT DETECTOR | Prof. Abhijit Chate** [2020 – 21]
 - Worked on concept development and theory
 - Also presented
- **DRIVING GAME CONTROLLER WITH DATA ACQUISITION SYSTEM | Prof. Abhijit Chate** [2021 – 22]
 - Worked on Implementation, component selection and Programming of arduino leonardo
 - Lead
- **Development of Rotary Wing UAV for Drug Delivery in Remote Areas | Dr. Raghvendra Upadhyay** [2022 – 23]
 - Worked on Implementation, component selection calculation and Programming of the quadcopter
 - worked on creating a stack which works on ardupilot to move autonomusly
- **MQTT with TLS on arduino | self** [2022 – 23]
 - developed and realised the project

Experience in Industrial Components

- **Arduino leonardo,Arduino mega, Arduino uno**
- **Esp32 ,Raspberry pi ,flight controller run on f405(stm electronics chip) microcontroller**
- **3d printer (fdm), laser cutter for acrylic, CNC machines**
- **pneumatic and hydraulic componentery, oscilloscope ,electronics testing components**

POSITIONS OF RESPONSIBILITY

- **Team leader | Design interns team**

[jun'22-July'22]

- Responsible for development of modular quadcopter.
- project report and presentation

- **head of innovation | electrical department ESVC**

[jun'21-nov'21]

- Managed 2 members
- trial program for rudimentary autonomus driving system

EXTRACURRICULAR ACTIVITIES

- motorsports
- badminton
- playing electric guitar
- stand up comedy