

Rajesh P

8, AVP Layout, 2<sup>nd</sup> Street,

Gandhi Nagar, Tirupur District- 641603.

Mobile No: +91 9698208400

E-mail ID: rajeshpachaikani@gmail.com



## Objective

With a Mechatronics engineering degree, my objective is to design and build electromechanical systems. I would like to implement my innovative ideas, skills and creativity to enhance the quality of life in India. Currently pursuing M.E. Mechatronics Engineering to sharpen my skills and to serve society by establishing a robotics company.

## Educational Qualification

Degree / Course	Institution/ University	Month & Year of Passing	Percentage / CGPA
M.E Mechatronics Engineering	Anna University, Chennai	May 2021	-
B.E. Mechatronics Engineering	K.S.Rangasamy College of Technology (Autonomous), Tiruchengode	April 2018	7.95
HSC	Veveaham Boys Hr Sec School, Tirupur	March 2013	85.91
SSLC	Bishop Ubagarasamy Hr Sec School, Tirupur	March 2011	86.6

## Areas of Interest

- Internet of Things
- Automation and Robotics
- Control Systems

## Project Work

- Main project on *“Hybrid electric vehicle power system design using fuzzy logic controller”*.
- Project on *“Carebots for personal health care”*.
- Project on *“Remote stop-start system in automobiles using IoT”*
- Project on *“Gesture controlled Robotic Arm using OpenCV (Python)”*.

### Computer Proficiency

- Application Softwares : SolidWorks, LabVIEW, Catia, MATLAB.
- Programming Languages : Python, C, C++, Arduino, Java, JavaScript, HTML, CSS.
- Other Softwares : Robot Operating Suite, Adobe Creative Suite, Blender(3D animation toolkit), KiCAD.

### Co-curricular Activities

- Completed the course on **CATIA V5** during the period from August to October of the year 2015.
- Participated in Workshop on **“Internet of Things using nodeMCU”** held at K.S.Rangasamy College of Technology on 3<sup>rd</sup> and 4<sup>th</sup> March 2016.
- Attended a seminar on **“Advancements in Motorcycle Technology”** conducted by department of Mechatronics Engineering held at K.S.Rangasamy College of Technology on 11<sup>th</sup> March 2016.
- Participated in the course **“Kinematics and Dynamics of Machinery / Theory of Machines”** through QEEE program by the Indian Institute Of Technology, Madras held in Aug-Nov 2016.
- Participated in a workshop on **“Real-Time Embedded Systems and its Application”** held at Coimbatore Institute of Technology on 16<sup>th</sup> September 2016.
- Participated in the Robotic competition **“Phototron”** held at the Indian Institute of Technology, Guwahati on 1<sup>st</sup> to 4<sup>th</sup> September 2016.
- **Conducted a workshop on Robotic Arm Controlled by Image processing** under the banner of the INOV Club of Robotics on 6<sup>th</sup> and 7<sup>th</sup> April 2017.
- Attended a workshop on **“Machine learning algorithms using SCILAB”** conducted at VIT university on 20-21 January 2017.
- Attended **“Solar Energy - Technology based Entrepreneurship Development Programme”** from 17-09-2018 to 30-10-2018 at MSME - Technology Development Center, Coimbatore.
- Qualified **GATE - 2019 with All India Rank - 1354** in Instrumentation engineering branch

### Extra-Curricular

- Organized several events as Joint Secretary at **“XTREME 17”** a National Level Technical Symposium by Flourishing Association of Mechatronics Department held at K.S.Rangasamy College of Technology.
- Active member of **INOV club of robotics** during the period 2015-2017.
- Joined NCC during the period 2009-2010 as a Flying cadet (2(TN) AIR SQUADRON FLYING NCC CADET).

### Personal Profile

Date of Birth & Age	:	05/04/1996 & 22 years.
Parents' Name	:	Mr. D.Pachaikani & Mrs. P.Jayanthi
Gender	:	Male
Nationality	:	Indian
Strengths	:	Adaptable, Fast Learner, Leadership & Curious
Hobbies	:	Youtube Content Creating and Reading books

Languages Known

: Tamil and English

Date : **24/06/2020**

Place : **Tirupur**



**(Rajesh P)**