

# Mohamed Javid

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## OBJECTIVE

learn the current state of the art in a creative and open environment, then identify the necessary process to expand on current knowledge, and prove the existence of the first cause.

## EDUCATION

### SRM UNIVERSITY

#### M.TECH IN ROBOTICS

Grad. May 2015 | Chennai, India

Cum. GPA: 7.29 / 10.0

### ANNA UNIVERSITY

#### B.E IN MECHANICAL ENGINEERING

Grad. May 2013 | Tamil Nadu, India

Cum. GPA: 6.83 / 10.0

## LINKS

LinkedIn:// [smj-javid](#)

Twitter:// [@smj\\_javid](#)

Facebook:// [smj.javid](#)

## COURSEWORK

### POSTGRADUATE

Kinematics and Dynamics of Robots

Robot Programming

Artificial Intelligence for Robotics

Robot Vision

Robotic Sensors

### UNDERGRADUATE

Engineering Graphics

Engineering Mechanics

Kinematics and Dynamics of Machinery

Manufacturing Technology

Engineering Thermodynamics

Finite Element Analysis

Automobile and Power plant Engineering

## SKILLS

### PROGRAMMING

PLC • Ladder Diagram • Matlab

FBD • C • C++ • Python • Embedded C

### SOFTWARE

KUKA Sim LAYOUT • Solidworks • DCS

AutoCAD • SCADA • PAC • HMI • VFD

### LANGUAGE

Tamil • Urdu • English • German

Japanese

## EXPERIENCE

### REDD ROBOTICS | ASSOCIATE ENGINEER, RESEARCH AND DEVELOPMENT

Nov 2015 – Present | Chennai, India

- Design, Fabrication, Assembly, and Testing of 3D Printers.

### REDD ROBOTICS | ENGINEERING INTERN

Aug 2015 – Oct 2015 | Chennai, India

- 3D Printer Designer.

## PROJECTS

### CHOCOLATE 3D PRINTER

Jun 2016 – Jul 2016 | REDD Robotics, Chennai, India

Based on the same principals of additive layer manufacturing and plastic printing the chocolate printer is designed to provide the best possible results when printing in chocolate.

### BIO 3D PRINTER

Mar 2016 – May 2016 | REDD Robotics, Chennai, India

Utilizes the layer-by-layer method to create tissue-like structures using bio inks.

### DESIGN AND FABRICATION OF AN OUTDOOR QUADCOPTER

Jun 2014 – May 2015 | SRM University, Chennai, India

An autonomous quadcopter is designed, fabricated and programmed to recognize, track and follow objects/human using vision based techniques.

### DESIGN AND IMPLEMENTATION OF DEBURRING TOOL AND HOLDER

Jan 2013 – May 2013 | Anna University, Tamil Nadu, India

A tool is designed in half trapezoidal shape of 35 degree in angle and it is attached to the drilling machine holder to remove the burr's that are formed during drilling process.

## TRAINING

### POST GRADUATE DIPLOMA IN INDUSTRIAL AUTOMATION

Technocrat Automation, Chennai, India

Hands on practical experience in Industrial Automation Tools specializing in PLC, DCS, SCADA and VFD.

### ADVANCED ROBOT PROGRAMMING IN KUKA ROBOTS

AKGEC-KUKA Robotics, Ghaziabad, U.P, India

Structured programming, Variables and declarations, Subprograms and functions, Data manipulation, Program execution control, Automatic external functions

### BASIC ROBOT PROGRAMMING IN KUKA ROBOTS

AKGEC-KUKA Robotics, Ghaziabad, U.P, India

Offline Programming, Online Programming, Robot mastering and Tool calibration

## PUBLICATION

### DESIGN AND FABRICATION OF AN OUTDOOR QUADCOPTER

International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 8 (2015) pp. 20703-20713