

Shanmukh Santosh Chintakula

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DOB: 20th May 1990

Mechanical Engineering

Indian Institute of Technology Indore

Class of 2013

Qualification	University	Institute	Year	CPI/%
B.Tech	Autonomous	IIT Indore	2013	6.0
Intermediate/+2	AP BIE	Sri Pavani junior college	2008	62.0
Matriculation	CBSE	KV Ramagundam	2006	78.0

OBJECTIVE

To work in a stimulating environment and add value to organization while learning from experience and intellectuals in reach.

ACADEMIC ACHIEVEMENTS

- Scored 129/160 marks in physics paper of IIT-JEE 2009 (Highest in my college batch and ranking 151st of 450,000 applicants in)

RESEARCH PAPER PRESENTATION

- Topic:** Observer - Assisted Adaptive Tracking Control of an Underactuated Autonomous Underwater Vehicle
Status: presented and published at international conference: **Advances in Robotics 2013** organized in Pune by **Robotics Society of India** on 4-6 July 2013.
Link: <https://dl.acm.org/doi/abs/10.1145/2506095.2506110>

INTERNSHIPS

- Organization:** SIEMENS PLM
Exposure to: 3D Digital Training
Project Undertaken: Design of **concept sport bike** intended for use in making of an **Interactive 3D Digital Training Manual**.
Key Learning: Proficiency at 3D **Modeling** on SolidEdge, Innovative outlook towards **bike designing**,

WORK EXPERIENCE

- Ascentria Pace (Dubai) [2017-Present]**
 - Leading the physics department of the institute and contributed to generate the best result in the region consistently over the last 4 years.
 - Played a key role in securing long term tie-ups with three major school groups significantly increasing the enrolments and revenue for the institute.
 - Ran an effective social media campaigns working closely with Digital Marketing team with special focus in the area of Data Analytics.
- IITian's Pace (Mumbai) [2015-2017]**
 - Taught a two-year physics course to multiple batches of students some of them then became state toppers and city toppers in IIT JEE 2017 exam.
 - Worked on content creation and academic planning in the department of Physics.
- RaoIIT Academy (Mumbai) [2014- 2015]**
 - Contributed significantly to teaching and mentoring students who are aspiring to crack competitive college entrance examinations.
 - Worked on creation of preparatory test series for highly competitive exams like IIT JEE, BITSAT and NEET.
- Chaitanya's Academy (Pune) [2013-2014]**
 - Taught competitive level physics to junior college students and foundation batches
 - Key contribution in materialising a school tie-up with Podar international school.

COURSERA CERTIFICATIONS

- **Exploratory Data Analysis** - John Hopkins University
<https://coursera.org/share/8303a85050cabd64873931ad1082216b>
- **Fundamentals of Visualization with Tableau** - University of California, Davis
<https://coursera.org/share/0e28f6a788c0658ec351b6257b99d3c5>
- **Crash Course on Python** - by Google
<https://coursera.org/share/5dd635e7ea5e83f1d21e2628ab683aec>
- **SQL for Data Science** - University of California, Davis
<https://coursera.org/share/105840f6ac8c53c34722bb2f7eb38049>
- **Covid-19 Data Analysis using Python** – Coursera Project work
<https://coursera.org/share/d5bd63a0a9a1be45b3d342d20c652d2f>

ACADEMIC PROJECTS

BAJA SAE India

[May'11-Feb'12]

- **About:** Baja is an intercollegiate design competition run by the Society of Automotive Engineers (SAE). 120 Teams of students from universities all over India design and build ATVs to race against each other.
- **Stage 1:** Modeled the entire vehicle model in ProE, Catia and analyzed the model in ANSYS using FEM
- **Stage 2:** Fabrication of the vehicle confirming to the specified specifications in Stage 1
- **Responsibility:** Captain to a 25-member team in designing and fabrication off-road race car.
- **Achievement:** The team stood 8th in Pre-fabrication analysis. Lasted more than 3hours in the final endurance test.

POSITIONS OF RESPONSIBILITY

Captain, Team Engines & Demons (IIT Indore BAJA 2012 team)

[May'11]

- Lead a 25-member team in designing an off-road race car.

Co-Driver, Team Engines & Demons (IIT Indore BAJA 2013 team)

[Feb'13]

- Performed the acceleration and hill-climb tests pushing 0-36 kmph in 7.9sec in 150ft, putting our buggy at #34th pole position.

Program Chair SAE INDIA Collegiate Club

[Jan'11-Present]

- Organize technical workshops and contests at college level.

SKILL SET

- **Technical Software:** ProE, SolidEdge, AutoCAD
- **Programming Languages:** MATLAB, Python, R, Tableau,
- **Programming Languages:** Basic C++, Microprocessor 8085 Assembly Language, Basic CNC Programming
- **Soft skills:** Excellent presentation skills, good at interpersonal interactions, efficient team-leading and delegation, adaptable and exposed to wide range of cultures.
- Fluent in English, French, Hindi and Telugu.