Gnaneswar Reddy **Sagili**

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"Make the change that you want to see in the world."

Education ─────────────────────────────

BML Munjal University   *Gurugram, India*
B.TECH. IN MECHANICAL ENGINEERING   *June. 2015 - Present*

Narayana Junior College   *Kurnool, India*
SENIOR SECONDARY EDUCATION   *June. 2013 - April. 2015*
- Secured 87 percentage class 11 and 12 combined.

Narayana e-techno school   *kurnool, India*
SECONDARY EDUCATION   *July. 2012 - June. 2013*
- CGPA: 8.7/10, SSC Board

Experience ────────────────────────────

Intern   *Sricity, India*
ISUZU PRIVATE LIMITED   *June. 2017 - July. 2017*
- Was involved in time study on the manufacturing of RT 64 and RF24 vehicles
- Keenly observed and understood quality checking process.

Intern   *Kurnool, India*
HYUNDAI SERVICE CENTER   *July. 2017 - August. 2017*
- Gained knowledge on performing service to cars
- Studied different breakdowns and experienced the procedure to deal with them.

Projects ──────────────────────────────

Development of crack free micro drills using micro EDD   *Gurugram, India*
MICRO EDM, SIEMENS NX   *July. 2018 - Present*
- Working under Dr.Eswar Krishna to fabricate crack free micro drills surface.
- It involves conducting process optimization using various research methodologies

Design of DC casting of Aluminium Alloys.   *Gurugram, India*
NX 18.1   *July. 2018*
- It involves designing of the DC casting equipment and achieving optimum parameters like flow rate, temperature,viscosity

Performance and Emission Characteristics Biodiesel-Diesel,
Biodiesel-Ethanol-Diesel Blends   *Gurugram, India*
DIESEL ENGINE   *January. 2017 - April. 2017*
- Emission characteristics for biodiesel-diesel blends of 10%, 20%, 30% and ethanol-biodiesel-diesel blends of (5%, 10%) ethanol, 30% biodiesel and remaining plain diesel were investigated
- The main focus of this experimentation is to reduce NO emissions keeping remaining emission same or even at lower levels if possible.

Robot Path Planning   *Gurugram, India*
KUKA ROBOT, KRL LANGUAGE   *March. 2018 - May. 2018*
- Developed a simple code using KRL to learn about real world production line.
- Controlled various inputs and outputs while the robot is in motion.

Mega ATV Championship   *Ahmednagar, India*

ALL TERRAIN VEHICLE, FABRICATION   *March 2017*

- Took part in fabrication of the vehicle
- worked as manufacturing head for the team

Analysis of stresses acting on bone in Coxa Valga condition   *Gurugram, India*

ANSYS, MIMICS   *March 2018*

- Modeled the bone with Coxa Valga condition at 145º.
- Used Ansys to study the force analysis and deformation in the femur bone in this case (COXA VALGA@145º)

Roles and Responsibilities

Operations Team   *Gurugram, India*

ECO KART   *December. 2017 - December. 2017*

- volunteered the ECO Kart event in the campus and coordinated more than 45 teams.

HERO FOREVER   *Gurugram, India*

BML MUNJAL UNIVERSITY   *January. 2017*

- Performed HERO FOREVER at HERO Summit 2017.
- Played as Subramanyan in the "HERO FOREVER" play.

Technical Strengths

Languages	C, KRL Language,
Software	AutoCAD, Siemens NX, Ansys, Abaqus, Matlab, Mimics
Machines	CNC Lathe, Lathe, VMC, EDM, WEDM, Micro EDM
skills	Robotics