

# NUKALA VENKATA SAI KRISHNA AVINASH

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## OBJECTIVE

To be involved in work where I can utilize my skill and involve with a system that effectively contributes to the growth of organization.

## ACADEMICS

- **2018 (Current)** - Master of Science in Computer and Information Sciences, University of Cincinnati.
- **2012-2016** - Bachelor of Technology in Electrical and Electronics Engineering, Amrita University, Coimbatore, Tamil Nadu, India, **9.11** (CGPA: 10 point scale)
- **2010-2012** - Grade 12, Board of Intermediate Examination, Sri Chaitanya Junior College, Andhra Pradesh, India. **94% Aggregate**
- **2009-2010** - Grade 10, Secondary School Certificate, Dr.KKR's Gowtham International School, Andhra Pradesh, India. **92.83% Aggregate**

## TECHINICAL SKILLS

- Programming Skills: C, C++, Embedded C, Java.
- Scripting Languages: Python.
- Databases: Oracle.
- Designing Tools: Matlab, Jupyter, Spyder, MP Lab, Lab View, NI Multisim, Proteus, PSpice, VMware.
- Web Technologies: HTML, CSS.
- Courses: Advance Algorithms, Intelligent Data Analysis, Big Data Analytics, Deep Learning, DataBase Theory, Computer Networking.

## INTERSHIPS / INPLANT TRAININGS

- Attended 14 days in-plant Training at BHEL, Hyderabad from 1<sup>st</sup> to 14<sup>th</sup> July, 2014 where I was briefed on "Manufacturing of Turbo Generators."

## OTHER TRAININGS

- Trained on core Java, Database creation and management using Oracle database management, creation of Http, Jsp files at Harsha Informatics for a period of four months from April- July 2018

## WORK EXPERIENCE

- Worked in Larsen & Toubro Pvt.Ltd from 01.07.2016 to 05.08.2017 with designation of Senior Engineer (Elec) with effect from 01.07.2017.

Role: Plant Maintenance, Spare parts management for plant and machinery.

## PROJECTS

- Project – Direct torque control of Induction motor – A comparison.
- Mini Project – Developed an obstacle avoiding robot.
- Regression Analysis on a wine dataset A wine data set is taken from URL Machine Learning Repository database

## CONFERENCES

- Attended International joint conference on “Artificial Intelligence and Evolutionary Computation in engineering systems ICAIECES -2016 and Power Circuit and Information technology ICPCIT – 2016” for presenting my research work and future scope on “Direct torque control of Induction motor- A Comparison” Conducted at SRM University from 19<sup>th</sup> - 21<sup>st</sup> May 2016.

## PAPER PUBLICATIONS, SEMINARS AND WORKSHOPS

- Published a paper on “**Direct Torque Control of Induction Motor-A Comparison**” in IJCTA (Indian Journal of Control Theory and Applications ), pp: 7547-7556, available at the mentioned link : <https://www.scopus.com/record/display.uri?eid=2-s2.0-85005993304&origin=inward&txGid=727c93c6bfd59d2257f7de4697b5bf53>
- Presented a seminar on “Mitigation of Harmonics” using filters and IcosØ mechanism.
- Attended “Solar Mobile Charger” conducted by Roboversity at NIT Trichy during PRAGYAN14
- Attended 2 day Workshop on “MP Lab” for programming DSPICS’s, conducted by IEEE association.

## ACADEMIC HONOURS AND ACHIEVEMENTS

- “ACADEMIC EXCELLENCE AWARD” for the section (for securing 1<sup>st</sup> position) from department of ELECTRICAL AND ELECTRONICS ENGINEERING. **(2013-14, 2015-16)**
- “CERTIFICATE OF MERIT” for securing 3<sup>rd</sup> position for 3<sup>rd</sup> year (5<sup>th</sup> & 6<sup>th</sup> semesters) on 21<sup>st</sup> Institution day from Amrita University. **(2014-15)**
- Organized the event “WITRICITY” during ANOKHA15 (National level technical festival held at Amrita Coimbatore campus
- Worked as a supporting member of the feedback management team from July to November 2014 for iBrain thinking solutions Pvt. Ltd.
- Participated in Circuitrix, Embedded ‘IT’, Bolder Solder competitions on Engineer’s day celebrations (21<sup>st</sup> September, 2013) which is organized by IEEE student branch chapter at Amrita University Coimbatore

## EXTRA CURRICULAR ACTIVITIES

- Worked as Class representative for the academic year (2013-2014)
- Volunteer in Amala Bharatham Campaign, Cleaning drive at Gandhi Town Bus-stand, Coimbatore.
- Worked as a volunteer in A-Serve club of the university for teaching rural students.
- Languages Known: English, Telugu, Tamil, Hindi and Kannada.