

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, **3.83** (CGPA: 4 point scale)
- **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

- Designing Tools: Matlab, MP Lab, Lab View, NI Multisim, Proteus, P Spice, Jupyter, Spyder, Cloudera, Canopy.
- Programming Skills: C, C++, Embedded C, Java, Python(proficient), PySpark(proficient).

COURSES TAKEN

- Big Data Analytics, Intelligent Data Analytics, Deep Learning, Advance Algorithms, Data Base Theory, Computer Networking.

INTERNSHIPS / INPLANT TRAININGS

- Attended 14 days in-plant Training at BHEL, Hyderabad from 1st to 14th 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.
- Developed a Decision tree upto three level depth using key value pairs(without using mllib) in pyspark.

- Made a comparison of decision boundaries obtained using all the classification algorithms on Wisconsin Breast Cancer dataset.
- Generated different datasets that maximizes and minimizes MSE that is obtained when performing matrix factorization for making recommendations.

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 19th - 21st 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 : <http://www.serialsjournals.com/serialjournalmanager/pdf/1475055954.pdf>
- 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 1st position) from department of ELECTRICAL AND ELECTRONICS ENGINEERING. (2013-14, 2015-16)
- “**CERTIFICATE OF MERIT**” for securing 3rd position in 3rd year (5th & 6th semesters) on 21st 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 (21st September, 2013) which is organized by IEEE IES student branch chapter at Amrita University Coimbatore

EXTRA CURRICULAR ACTIVITIES

- Worked as Class representative for the academic year (2013-2014)
- Working as GSA treasurer for all undergraduate/graduate students at University of Cincinnati.
- 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.