

RAMKUMAR PARANTHAMAN

7740 Mccallum Boulevard Apt 131, Dallas, TX-75252 . ramkumar.paranthaman@utdallas.edu. (214)-708-5065 .
https://www.linkedin.com/in/ramkumarparanthaman . http://helloram52.github.io
SEEKING INTERNSHIP FOR SUMMER/FALL '16

EDUCATION

MAY 17 Expected	Master of Science in COMPUTER SCIENCE THE UNIVERSITY OF TEXAS AT DALLAS, Richardson, Texas COURSEWORK: Algorithms, Machine Learning, Computer Vision	GPA: 3.6/4.0
MAY 10	Bachelor of Technology in INFORMATION TECHNOLOGY MADRAS INSTITUTE OF TECHNOLOGY, ANNA UNIVERSITY, Chennai, India Student Chairman of Information Technology Association, Anna University	GPA: 8.2/10.0

HONORS

FIRST PRIZE IN MICROSOFT'S CONTEST IN TAMUHACK 15 HACKATHON, College Station, TX	Oct 15
<ul style="list-style-type: none">Developed a IoT project in 24 hours to gather environmental data in bio-hazardous regions using drone to provide useful insights. Worked on particle programming and interfacing the particle (Spark core) with Microsoft Azure & Power BI.	

WORK EXPERIENCE

5 YEARS

FEB 16-PRESENT	Student Worker at UNIVERSITY OF TEXAS AT DALLAS, Richardson, Texas <ul style="list-style-type: none">Assisting Dr. Bernhard Ganglmair in categorizing US patent claims using natural language processing techniques for his research on Economics.
MAR 14-JUL 15	I.T. Analyst at TATA CONSULTANCY SERVICES LIMITED, India HONORS: "On the Spot award" twice for consistent performance Lead a tech team of 10 <ul style="list-style-type: none">Analysed 15K+ LINE code base & implemented a parallel worker model which reduced run time by 20%Developed a job scheduler prototype to automate test jobs which reduced test team's efforts significantly
FEB 13-FEB 14	Senior Developer at LLOYDS BANKING GROUP, Edinburgh, UK HONORS: "Delivery Excellence award" for zero defect delivery Subject Matter Expert <ul style="list-style-type: none">Built a tool to automate tax code updates in Policy Admin system which reduced manual efforts by 50%Youngest subject matter expert to be part of technical change approval board
AUG 10-JAN 13	Developer at TATA CONSULTANCY SERVICES LIMITED, India HONORS: Recognized as Quick Learner in team's monthly magazine <ul style="list-style-type: none">Implemented an optimized solution for rectification project that resulted in 15% reduced CPU timeDesigned a test simulation environment with de-sensitized customer data which prevented data thefts

ACADEMIC PROJECTS

PARKING SPACE DETECTION, PYTHON, OPENCV: Contributed to build a mechanism to identify empty parking slots by comparing with reference pixels in the driveway. Images of parking lot taken from different angles are stitched together to produce a holistic view with available slots marked in green.

INTERACTIVE DASHBOARD, NODE.JS, D3.JS: Developed an interactive dashboard application that render visual representation of data dynamically based on user selection to perform analytics and gather insights.

TARGETARROW, ARDUINO: Built a prototype of targeting system which will compute the angle of projection and calibrate the cannon based on the input co-ordinates. Won First prize in Arrow Hackathon, conducted by IEEE student chapter, UT Dallas, TX.

BIOCOPTER, PARTICLE, MYO, MICROSOFT AZURE, POWER BI: Myo's hand gestures are used to control the Drone. Particle (spark core) attached to the Drone gathers humidity, temperature, air quality using sensors and pushes data to Azure. Data is visualized using power BI in real time.

TWEET CLUSTERING, PYTHON: Categorized tweets based on similarity using kmeans (Machine Learning) algorithm. Data is pre-processed by performing stemming to improve accuracy.

SSL SPIDER, OPENSSL, PYTHON: Developed a tool to gather SSL data by crawling through websites. Built in 24 hours as part of SSL.com's challenge in Code RED 15 hackathon.

SKILLSET

- Java, C++, C, Python, Node.js, d3.js, COBOL, PHP, JavaScript, Arduino
- MySQL, Oracle, Azure, Eclipse, Git, Linux, Z OS, Particle