Ramkumar Paranthaman

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Education

May '17 *(anticipated)*	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

Achievements

FIRST PRIZE in MICROSOFT's contest in Tamuhack '15 Hackathon, College Station, TX Oct '15

- First Prize for innovative usage of Microsoft Technologies in *BioCopter* project developed within *24 hours*

DELIVERY EXCELLENCE AWARD from Lloyds Banking Group, United Kingdom Feb '15

- Received the award from IT Director for delivering project with zero defects.

Research

Jun '16-present	Research Assistant at University of Texas at Dallas, Richardson, Texas Under the guidance of Professor Dr.Bhavani Thuraisingham • Working on AZSecure-data project funded by National Science Foundation to build a repository for open source Dark Web & Geo Web research data

Work Experience
5 years

Mar '14-Jul '15	I.T. Analyst at Tata Consultancy Services Limited, India "On the Spot award" twice for consistent performance | Led a tech team of 10 • Built a *job scheduler* to automate test jobs which reduced testing efforts by 20%
Feb '13-Feb '14	Senior Developer at Lloyds Banking Group, Edinburgh, United Kingdom • Recognized as *Subject Matter Expert* for five UK insurance applications • *Youngest* subject matter expert to be part of technical change approval board
Aug '10-Jan '13	Developer at Tata Consultancy Services Limited, India Recognized as Quick Learner in team's monthly magazine • Built a test simulation environment with *de-sensitized* data to prevent data thefts

Academic / Personal Projects

Patent Categorizer, *Python, nltk*: Contributed to build a mechanism to group similar patents by analysing the language semantics (speech tagging, text analysis) using nltk library.

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.

Interactive Analytics 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.

Biocopter, *Particle, Myo, Microsoft Azure, power BI*: Worked on particle-Azure interface to build Analytics on environment data gathered using drone. Built within 24 hours as part of TAMUHACK'15

Skillset

- *proficient:* Java, Python, COBOL, Git, Linux, Z OS
- *Familiar:* C++, C, Node.js, d3.js, JavaScript, Bootstrap, Arduino, MySQL, Azure, Particle