Prashanth Ramesh

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EDUCATION:

- **The Ohio State University**, Columbus, Ohio, USA. GPA: 3.6 (4.0 Scale)
  Masters of Science (M.S.) Electrical and Computer Engineering, December 2014
- **SRM University**, Chennai, India. GPA: 8.708 (10.0 Scale)
  Bachelor of Technology (B.Tech) Electronics and Communication Engineering, May 2013

WORK EXPERIENCE:

- **The Ohio State University - Center for Automotive Research, Columbus, Ohio**
  Lead Engineer - Engineering Services, February 2019 – Present
  - Served as senior technical support for battery related research: Battery chemistry benchmarking, experimental characterization, modeling, control and battery prototype design and fabrication.
  - Design and analysis of battery tests to model the electrical and thermal performance, lifecycle behavior for automotive, aerospace and electric grid customer applications
  - Managed battery testing facilities; Oversaw lab operation, support proposal and budget writing, equipment procurement and maintenance.
- **The Ohio State University - Center for Automotive Research, Columbus, Ohio**
  Senior Design Engineer - Engineering Services, March 2015 – February 2019
  - Design of test plans based on standards for aging and characterization of different battery chemistries.
  - Experience in developing custom testing equipment for power cycling of energy storage systems.
  - Development of software and user interface for control, data acquisition and monitoring of test systems.
  - Provide project management support for customer-driven engineering services projects.
- **The Ohio State University - Center for Automotive Research, Columbus, Ohio**
  Research Assistant, (April 2014 - January 2015)
  - Implemented the data acquisition electronics and software for industrial testing projects.
  - Developed control, testing and simulation programs for engineering analysis projects.
- **Nippon Electric Corporation (NEC) Central Research Laboratory, Kawasaki, Japan.**
  Research Intern, (December 2011 - March 2012)
  - Developed a hardware test bed for Automated Building Systems - Energy Management.
  - Designed algorithms for acquisition, analysis and storage of electricity consumption data for a building.

QUALIFICATIONS:

- **Programming:** C, C++, Arduino, PLC Programming (DirectSoft), Processing.
- **Software:** LabVIEW (Certified: CLAD), Matlab, Simulink, Stateflow, Eagle (PCB Design), Power Cycling (Arbin, Maccor), MS Visio.
- Experience in electronic circuit design, battery modeling and testing, optimization and control system methods, Automotive communication standards (CAN,LIN).
- Possess excellent knowledge of battery testing industry standards, laboratory test equipment and data acquisition methods.

PROJECTS:

Final Year Project - SRM University (December 2012 - April 2013)
***Autonomous Unmanned Aerial Vehicle (Quadrotor) for the purpose of Surveillance*:**
- Led a team of 3 on the design and development of a UAV (Quadrotor)

Industrial Projects: Developed multiple navigation Robots, at Analogic Control India Pvt Ltd, Research and Development (R&D) Department, India, June 2012.