

MOHIT SHARMA

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PROFESSIONAL SUMMARY

- An accomplished student of Master's in Electrical Engineering Thesis based course with solid educational foundation and applied experience in Embedded System Design, VLSI Design, Webpage Development and Programming
- 5+ years of work experience acquired at Cadence where the work performed improved productivity. Demonstrated abilities to communicate, think critically, solve problems
- Volunteering experience gained while working with different organizations for different causes.
- Teaching experience gained as part of graduate assistantship at University of Windsor.

TECHNICAL SKILLS

- **Programming Languages:** C/C++, MySQL, HTML, JavaScript, CSS, PHP
- **Scripting Languages:** csh, tcl/tk, python, perl in Makefile based environments
- **Design Tools:** MATLAB, Cadence Tools: Modus, Genus, Innovus, Xcelium
- **Hardware Description Languages:** Verilog, VHDL
- **Hardware Design Flows:** FPGA, ASIC
- **OS:** Linux (Ubuntu, RHEL, CentOS, SLES, LOP), Windows 10
- **Version Control:** CVS, git

EDUCATION

Master of Applied Science, Electrical Engineering, University of Windsor, Windsor ON	2020-Present
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Bachelor of Technology, Electronics and Communication Engineering, Jamia Millia Islamia, Delhi, India	2011-2015
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WORK EXPERIENCE

Product Validation Engineer , Cadence Design Systems, Noida, India	Jul 2015 – Apr 2021
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- Regression Analysis done as part of my role as a product validation engineer. Applied scripting and Web development skills to automate tasks and improve the productivity of the team. Promptly worked on feedback by team members to improve the developed infrastructure.
- Developed testcases as part of the role to test MODUS software to improve coverage and test new features. Maintained a suite of 2,000+ testcases assigned with updates in software using automation.
- Web application development done using HTML, Javascript, CSS, PHP, MySQL and Perl. Specifically developed msgid based webpages that helped gather vital statistics on a suite of around 10,000 testcases which enabled easier maintenance.

Graduate Assistant, University of Windsor, Windsor ON

May 2021 – Present

- Appointed Lead Teaching Assistant for ELEC-4430 and ELEC-3300 courses and, TA-Grader for GENG-8010
- Ensured all midterms, finals and assignments were evaluated in a detail-oriented and consistent with proper feedback to students.
- Led Lab sessions and motivated students by asking relevant, thought-provoking questions as part of Lab project assessments.
- Answered student questions during weekly office hours.

Internships:**Intern, Mitacs - Aarish Technologies – University of Windsor**

October 2021 – Present

- Generating and Selecting memories using GF memory compilers
- Scripting done in csh, tcl/tk, python to speed up the turn time whenever new memory configs were generated using the memory compilers.
- Placement of memory macros using Cadence Innovus tool and running PNR flow.
- Running placement driven synthesis flow using the generated .def file on Cadence Genus tool.

Trainee, Air India Ltd., Delhi, India

May 2013 – Jun 2013

- Industrial training in Electric, Instrumentation and Radio shops
- Learnt about various aircraft parts and their working.

Trainee, Ashok Leyland Ltd., Uttarakhand, India

May 2012 – Jun 2012

- Industrial training at the Cab weld shop
- Learnt about various PLC and related robotic arms, cab welding machines and instruments.

VOLUNTEERING EXPERIENCE:

Volunteer, Cadence Design Systems

- As part of Cadence Noida CSR, I volunteered at the School Building - Construction, Painting and plantation for Vidya and Child at Vatika Center, Shahpur Village, Sect. 128, Noida. As part of the project, we painted school walls, school desks, school boundary walls and tables and took part in plantation drive.
- Cadence Noida partnered with Rise Against Hunger to pack 80,000 nutritional meals as part of a global campaign. I was one of the volunteers who took part in packing these meals and make a difference in the life of malnourished and unprivileged communities across India.
- Again, as part of Cadence Noida CSR, I volunteered for repainting the walls of non-profit DESIRE SOCIETY - Caring for HIV/AIDS children in India.

REFERENCES AVAILABLE UPON REQUEST