Malhar Jajoo

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EDUCATION

Indian School Muscat -   **Muscat, Oman**

Class X – CBSE Board – 96.2%.

Class XII – CBSE Board – 3rd highest percentage in Gulf countries. Top 5% in CBSE.
   o   SAT 2 – 2400/2400, Maths (800/800) , Physics (800/800) , Chemistry (800 / 800) o Passed IIT - JEE Mains.

Imperial College London -   **London, UK**

MEng Electronic and Information Engineering – First Class expected (2018)

Electronics and Information Engineering (EIE)
- 1st Year – Secured 71% Overall
- 2nd Year – Secured 65% Overall

Projects –

For more details on below please see my Portfolio

ARM Software Development Intern (6 month internship) –   **April-Sept,2017**
Assessing feasibility of using LLVM Compiler toolchain for compiling ARMs Architecture
Specification Language. Worked on reducing build time for Compiled Model of ARMv8A architecture.

Risk Profiling Model (Summer Internship)–   **July-Sept, 2016**

Successfully built a Risk Profiling Model as a Web application. Built Front-End UI using Bootstrap, jQuery, Application layer using JavaEE components and Back-End using SQL Server.

C90 Compiler (in C++) to MIPS Assembly -   **January,2016**

Built a C90 compiler through the various stages – Lexing , Parsing , Target CodeGeneration for the gnu-mips ISA.
Involved making OOP classes for each construct in the C90 Grammar specification , then making an AST and producing MIPS Assembly code while traversing the AST.

Learning Outcome -
1. Gained a good understanding of C grammar .
2. Gained a good understanding of MIPS ABI.

MIPS Cpu Simulator and test bench in C++ -   **October,2015**

Built a MIPS CPU simulator and test bench as part of a coursework. Implemented 53 instructions of the MIPS 1 Instruction set. It helped me appreciate the importance of forming a test bench.

SKILLS & INTERESTS

- Programming skills**:** Front-end ,C++, Java, Python,Verilog , Matlab. Robotics
- IT proficiency: Excel, MS Word, Powerpoint
- Highly motivated towards learning, good teamwork skills, good presentation skills.
- Fluent languages**:** Hindi, English.

Hobbies/Interests -

Volunteering
    Chess tutoring – Our Ladies Of Victories Primary School.
    Football, Chess, Table tennis, Swimming.

Olympiads/Awards –

Captain of Inter-school chess clusters – Winners (2012)
English Olympiad (2010),Science Olympiad (2011) , Maths Olympiad (2011/2012)