

ABHISHEK KAUL



Computer Engineering
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@abhimohit99

Summary of Qualifications

Front-end:	HTML, JavaScript, JSON, CSS, SQL
Back-end:	Java, C#, C++, Python
Others:	VBScript, Windows Batch Scripting
Programs:	mySQL, Eclipse, NetBeans, BlueJ, Visual Studio, CodeBlocks, Theano, TensorFlow, Keras, and Anaconda GitHub, Command Prompt, Powershell, Microsoft Office (ex. Excel, Publisher, Outlook, etc.) and Photoshop
Other skills:	Linux (bash) familiarity Hardware and software troubleshooting, hardware replacement Professional communication: technical report writing, experienced interpersonal skills.

Experience

TRAINEE INTEX TECHNOLOGIES (INDIA) LTD.

JULY 2013

- Computer troubleshooting, BIOS-level software installation, assemble & disassemble a computer.

SELF FIXING MY LAPTOP

APRIL 2017

- Full reset of **Windows OS** via emergency recovery partition
 - Registry corruptions affected startup and caused systemic BSODs
- **Replaced** my **hard drive** after careful systematic **troubleshooting**
 - Uncorrectable sector count and read error rate crossed threshold → imminent HDD failure
- Resolved **hardware issue** regarding CD-ROM tray ejection failure

- **Project Euler**: Math and programming logic questions, ex. sum of first 1000 prime numbers. Alternated between Java, C++, and C# to code solutions.
- **Web**: Tested JavaScript, HTML, and CSS prowess by making a website ([here](#)) & local webpages.
- **Fuel cell boat**: **Technical report writing** experience + **teamwork**, **time-management**, and **leadership** experience (making & updating goals, making decisions, delegating tasks, etc.)
- Experienced with visually assisted (ex. PowerPoint) **presentations**, created **technical spreadsheets**
 - Made a spreadsheet that accurately took into account variable weightages and calculated current/final grade each course with many variables (ex. quiz scores).
- **Machine learning**: Using Python, TensorFlow, & Keras. Also created a **neural network** using C++.
- GNU **compilers** MinGW and Cygwin; command-line compiling and debugging.
- **VBScript & Batch scripting**: small, simple programs ex. ejecting the CD-drive, and making a login with CMD.
- Used **leadership**, **empathy**, and **communication** skills to lead a younger set of volleyball and badminton players to a positive year of improvement in attitude and skill.
- Used my **professional communication** skills to help coordinate projects, such as *Miles for Smiles*, between the NHS and school administration throughout the year.

Volunteer Experience

7 CUPS OF TEA

As a trained active listener, I provide emotional support for individuals struggling with a variety of issues. I received training and passed assessments on several topics such as sexual abuse, ADHD, and bullying.

UW MATES

MATES stands for Mentor Assistance Through Education and Support, and I am part of the group selected for the Fall '17 school term. MATES volunteers are people with a penchant for helping fellow humans, and along with weekly office hours, we are committed to creating a healthier mental environment for all students in our university.

Education

UNIVERSITY OF WATERLOO

Candidate for Bachelor of Applied Sciences, Computer Engineering

September 2016 – June 2022

Linear circuits, Linear Algebra, Calculus I, C++ programming

SURABAYA INTERCULTURAL SCHOOL

American High School Diploma

August 2012 – May 2016

AP: Psychology, Computer Science, Calculus, Chemistry, Physics. 90%+ average grades 11 – 12

Activities and Interests

- **Badminton, cricket, table tennis, volleyball, basketball, futsal, etc.;** basically sports in general :)
- **Music: drums (5 years) & guitar (3 years).**
 - Genres: Jazz, soul, rock, country, 00's pop (Maroon 5's old songs are gold), dubstep.
- **Psychology**
- **National Honour Society (NHS), 2 years, Surabaya Intercultural School**