AAKASH SHRESTHA

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# OBJECTIVE

* Seeking a position of a web developer, where I can apply my coding skills to gain a working experience, while contributing to the organization in achieving the goals.

# PROFILE

* Fourth semester student of Advanced Diploma in Computer Programming and Analysis (CPA).
* Self-motivated and able to work in a dynamic and challenging environment.
* Honest communication and interpersonal skills gained from two year’s customer service experience.
* Detail oriented, work focused, and have willingness to learn.
* Effective programming skills, strong understanding of Object Oriented Programming concepts and software development life cycle.

# TECHNICAL SKILLS

* **Programming Languages** C, C++, Java(Intermediate)
* **Web Developing Tools** HTML 5, CSS 3, JavaScript, PHP, jQuery, Bootstrap, Node JS,

Express JS

* **Operating Systems** Windows, Unix/Linux
* **Database** SQL, Oracle, PostgreSQL, MongoDB
* **Software Tools** MS Word, MS Excel, Microsoft Visual Studio

# WORK EXPERIENCE

**Security Guard,** **Gardwell Security Inc**., Toronto, ON Jan 2016 – Present

* Provide Customer and Security Services in Condominiums, protecting people, property and information that has improved the quality of life of residents.
* Monitor access of visitors to the premises to guard against theft and maintain security of premises, that ensured safety of people and property.

# EDUCATION

**Computer Programming and Analysis (CPA),** Jan 2017 – Present  
Seneca@York Campus, North York, ON.

**Bachelor’s Degree in Electrical Engineering**, Nov 2009 – Dec 2013   
Kathmandu Engineering College, Tribhuvan University, Nepal.

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# ACADEMIC PROJECTS 1. Aid Management Application (AMA)

* Coded the interface of the application that allowed a user to list, add, update and delete the items saved in a data file.
* Kept track of the quantity of items needed, the quantity available, and stored them in a file for future use.

**Programming language used: C++**

**2. Web Application**

* Developed a database-driven client/server web application which provided an authorized user with options of adding, updating and deleting the data of list of employees.
* Maintained a user registration and data validation on client side.
* Managed the client’s HTTP request on backend side using Node.JS and Express.JS with database driven features of MongoDB and Postgres.

**Website link:** [**https://warm-waters-56446.herokuapp.com/**](https://warm-waters-56446.herokuapp.com/)

**3. Maximum Power Point Tracker (MPPT)**

* Programmed the functionality of a solar cell that optimized the device to work at the most efficient voltage.
* Designed a feedback system that checked the output of solar module, compared it to battery voltage and converted it to best voltage to get maximum current into the battery.

**Programming language used: C**

# VOLUNTEER EXPERIENCE

**Assistant Electrical Engineer, Trishuli Hydro Power Station, Trishuli, Nepal**

* Optimized the operation, reliability and safety of the electrical equipment.
* Assisted senior engineers performing maintenance, troubleshooting, repair, modification, etc.

# CERTIFICATION AND AWARD

* Named in Seneca’s “Summer 2017’s President Honor List”
* Electrical Engineering Licence. (Nepal)
* Worker Health and Safety Awareness Certificate

**References Available Upon Request**