Hello, WORLD!!

This is JAY**PATEL**

I am an INDUSTRIAL **ENG**INEER

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ABOUTME

I am an international student pursuing Masters of Engineering in Department of Mechanical And Industrial Engineering with the emphasis on Information Engineering and Big Data.

OBJECTIVE

A self-motivated and self-taught web-developer wants to put his skills and knowledge towards job which brings meaning and satisfaction in creation.

CONTACT

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Greetings,

I am writing this letter in support of my application for the job posted under Summer Work-Study in Career Learning Network as Front End Developer/Programmer. I believe I would be well suitable for the job as per the description.

I am a Master student here, in University of Toronto and I am pursuing my degree as an Industrial Engineering, focusing specifically on the field of Big Data and Information Modelling.

Last summer, I learned the fundamental of Web Design and Development and started working on my portfolio website. I did couple of independent work just for sharpening my skills. I have profound experience working with python programming language. Apart from that, I also confronted some other programming languages such as java while exploring android development and C# when I undertook a visual studio project.

Last semester, I took one course from iSchool about UX/UI designing and worked with the external clients to understand and build the meaningful User Interface which are simple but powerful. The course taught me comprehensive methodologies of building prototypes and testing them with real users and troubleshoot the existing UI problem with industry recognized methods.

Since my main focus is Data Science, I took several courses which are directly related to the field of Data Science. Moreover, I also very fond of Machine Learning aspect of Data Science. I learned how big data works and how scalability plays an important role in it with the tools such as Spark and Hadoop. I recently did my course project with Spark Environment and build the analytics results in reproducible notebook environment which is available in GitHub.

Since I took engineering as my career choice, I lost my connection with the study of chemistry totally. However, I loved the subject in my high school and to regain the basics that will required in job, I believe, would not be that much of an issue for me.

I would be thrilled to work with the LMSE.

Thank you for the consideration.

Regards,

Jay Patel

JAY**PATEL**
M.ENG, INDUSTRIAL ENG.

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EDUCATION

M.Eng
INDUSTRIALENGINEERING

University of Toronto

B.E. (2016)
MECHANICALENGINEERING

Gujarat Technological
University (GTU), INDIA

SKILLS

python ★★★★★

JavaScript ★★★★☆

AngularJS ★★★☆☆

PHP ★★★☆☆

SQL ★★★★☆

HTML/CSS ★★★★★

WordPress ★★★☆☆

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PASTPROJECTS

APPLYING INNOVATION IN ENGINEERING & BUSINESS OPERATIONS (APS1013)

The course project collaborated with external industry partners to develop practical management skills. The problem given by the industry was addressed with the tools and techniques such as business process analysis, solution design, emotional intelligence, organizational teamwork, etc. Among the group, I handled the Data Cleaning and Data-preprocessing part required for statistical analysis required for the solution.

KNOWLEDGE MODELING & MANAGEMENT(MIE1501)

Development of Ontology in the domain of political history that assist in the exploration of information about the "genealogy" of political entities on Wikipedia. We developed python script for extrapolation of relational links from existing Dbpedia ontology and application of these links to infer new data. Finally, building a state genealogy graph for each country as an ancestry tree of political entities with the information about geography and temporal events of states.

TECHNOLOGIES FOR KNOWLEDGE MEDIA (KMD2002)

Development of front-end user interface of a mobile app based on the external client's demand. We used UX research methodologies for critical design thinking such as comprehensive surveys and usability testing to enhance user experience and meet the customer demands. The outcome was a fully functional mobile app framework tested with real users.

INTRODUCTION TO DATA SCIENCE AND ANALYTICS (MIE1624)

Data analytics project on "How Canada is perceived internationally". We focused on the twitter and Facebook as main data source and present comprehensive study of Canada as country for tourism attraction and immigrant attraction. We used sentiment analysis for predicting emotions of post-comments in social media on Canada gathered with the help of twitter's REST API and facebook's GRAPH API.