

## VASU NEGI

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**Profile:** <https://vasu-negi.github.io/Portfolio/>

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**5 November 2020**

**Oracle**

Dear Hiring Manager,

I would like to express my enthusiasm in applying for the position of **Software Developer** at **Microsoft**. My experience as a Software Developer and Machine Learning Enthusiast in multiple capacities over the past few years have prepared me for a role where I will be able to design and develop production level systems. I am confident that my involvement in both the worlds of Software Development and Machine Learning would give me an edge to fulfill **Microsoft's** software development requirements.

I am a graduate student at **University of Florida** pursuing Master's in **Computer Science**. I have a formal background in Software development and Machine Learning with a skillset including expertise in **Python, PyTorch, HTML, and CSS**, and experience with **Java, F#, Django, Express, Node.js, React, MongoDB, GraphQL, AKKA.NET, SAP ABAP, Keras, and CVXPY**. During the summers, I conducted an independent research under **Dr. My Thai**, where I worked on detection of manipulated images using finely tuned Convolutional Neural Networks. With a newfound interest in Web Development, I have been working on **Django, Node.js, and React** with the aim to develop a fully loaded web-application with the focus on streamlined design and strategic flow to cater the target audience.

As a former software developer at Infosys Limited, I worked with Ministry of Corporate Affairs (MCA), India where I was in charge of designing and development of the **SAP** Function Modules, Report Programs, and Adobe Forms. I also got the opportunity to work on the DIR-3-KYC which was the most impactful Form for MCA as it dealt with eliminating those Directors from the system which were not compliant with the MCA's guidelines. Approximately **2.1 million** Directors were disqualified from the system. After this I got to work as a front-end developer for the 2<sup>nd</sup> client (Income Tax Department) where I developed Forms using Angular 7 that allowed 3<sup>rd</sup> party entities to register themselves as Income Tax Services Providers which eventually provided taxpayers a convenient and hassle-free way to access income tax services.

During my Bachelor's, I worked on three research papers where the first paper was based on the **Class Imbalance Problem** and the different techniques which can be applied to alleviate this problem. The second research paper was based on **Decision Tree Algorithms** wherein I studied the efficacy of these algorithms in problem-solving and also utilized various evaluation metrics to derive an improved understanding of the predictive power of these algorithms. The third research paper was based on **Artificial Neural Network** in which I designed and developed an ANN model to classify Devanagari characters and studied the impact of the variations in the parameters of the learning phase.

I believe my experience as a software developer at Infosys and expertise in Machine learning have equipped me with the technical skills to apply for this role. I feel that your company places prominence in similar areas and being able to work with your company will provide me with great exposure and learning environment which will enable me to make a great impact in your current and future projects.

As a Software development Enthusiast with a desire to learn and explore, I am excited to submit my application for consideration and I look forward to hearing from you.

Thanks and Regards,  
Vasu Negi

