

Tushar Jayanti

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SUMMARY: Computer Science graduate offering a strong foundation in software engineering and programming principles across multiple platforms. I am good at designing efficient solutions with the best run-time complexities. Targeting an Entry level opportunities.

EDUCATION: **New Jersey Institute of Technology, Newark, NJ** **May 2018**
Master of Science Computer Science
Course Work: Internet and Higher-Level Protocols, Java programming, Machine Learning, Operating Systems Design, Cryptography and Security, Data Structures and Algorithms, Data Management and Systems Design, Computer Programming languages, Artificial Intelligence, Information system principle.

Guru Gobind Singh Indraprastha University, Delhi, India **June 2015**
Bachelor of Technology in Electronics and Electrical Engineering

SKILLS: **Programming Languages:** C/C++(Fluent), Java(Intermediate), Python(Beginner), Octave.
Database Languages: SQL.
Scripting Languages: JavaScript, Shell, Batch.
Internet Technologies: HTML 5, CSS3

WORK EXPERIENCE:
Software Asset Management Specialist; SoftwareOne India Pvt. Ltd. **(June 2015 – July 2016)**

- Retrieve the deployment reports from the customer's IT infrastructure using various tools like SNOW.
- Analyze the Entitlements of the Customer.
- Using the licensing knowledge, analyze the Deployments and Entitlements of the customer to suggest compliance levels.
- Key objects: Audit Protection, Software purchase optimization.

Technical Intern; National Informatics Centre, New Delhi **Summer 2013**

- Intern in product design in latest e-governance server-side developments. Learnt how teams function to a common goal. Key skill achieved was learning object-oriented design implementation.

Intern; National Hydro power corporation, Faridabad **Summer 2012**

- Intern in Engineering and design department. Assisted NHPC engineering by making reports on raw data collected from sites to use for designs and implementation.

ACADEMIC PROJECTS: **New Jersey Institute of Technology, Newark, NJ** **Fall 2016**

Intelligent Chatbot

- Created an Intelligent chatbot in python using TensorFlow.
- Used Recurrent Neural Networks in Python.
- Used TensorFlow's Seq2seq model to train the model.

Optical Character Recognition

- Automated system to resolve the OCR problem (Captcha) from a website
- Used Linear regression and Logistic regression in Python.
- Increased accuracy for smaller font and noisy data.

Compression using Huffman Encoding

- Created a C++ program to compress and decompress files using Huffman encoding/decoding
- Created and implemented MinHeap

Handwriting Recognition

- Handwritten digits recognition using neural networks in Octave.
- Takes 20x20 Pixel image, Converts the image to gray scale, takes intensity of grey at each pixel for neuron input, gives character as output.

Proxy Server

- Programmed a proxy server in C
- Handles HTTP(GET) and FTP Protocols.