

Ishank Vasania

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EDUCATION

SRM Institute of Science and Technologies

Chennai, India

Bachelor of Technology, Concentration: Computer Science and Engineering

July 2019

Cumulative GPA: 9.08/10.0, Major/Thesis Project GPA: 10.0/10.0

Relevant Coursework: • Machine Learning • Data Science and Big Data Analytics 2 • Artificial Intelligence

Kendriya Vidyalaya School

Jaipur, India

HSC: PCM, Computer Science. 92.6%

2015

WORK EXPERIENCE

Dell Technologies

Bangalore, Karnataka

Software Engineer 2

March 2022 – Present

- Responsible for developing novel solutions to improve the working and efficiency of current systems.
- Filled two patents, one of them is 'Predictive analysis' analysis' through which I used NLP and ML to predict the exact area of impact for a code when a change is made in an existing legacy piece of code in a 'Release cycle' across multiple applications.
- Another patent is 'Fasteasy' which reduce the release time by shift-left approach. Includes a compiler for BDD, a tool and a dashboard.

Software Engineer 1

July 2019 – March 2022

- Architect and developer one of the applications in Dell.
- Lead in a Tech CSR project about converting students' books into braille format.
- Researching and implementing AI/ML based algorithm
- Reduced production deployment by 2 weeks, by proposing a novel approach, tool for supporting it, and Dashboard to track the maturity of the process.
- Tech stacks worked: Python, AI/ML, .Net, C#, SQL, MongoDB, Angular, Kubernetes, elastic search

Dell Technologies

Bangalore, Karnataka

Software Engineer Intern and Campus Ambassador

Jan 2019 – May 2019

- Developed a novel software using Python flask, ML algorithm and NLP to predict the probable reason of failure between various interlock applications, helped in reducing bugs and defects in production.
- Collected data for ML algorithm, did data pre-processing, trying, implementing, and comparing various ML algorithm.

Zoho Corporation

Chennai, Tamil Nadu

Software Development Intern

Autumn 2018

- Developed a server congestion control tool using past and real-time data from unstructured data
- Client interaction, requirements gathering, brainstorming, and implementation.
- Data processing used for huge unstructured data.

Shyanosoft Pvt. Ltd.

Jaipur, Rajasthan

Software Development Intern

Spring 2017

- Responsible for Implementing an Invoice System for a grocery store. Gathered information and implementation of the solution.

Indian Institutes of Technology (IIT) Indore

Indore, Madhya Pradesh

Research Intern

Winter 2016

- Made a standard benchmark on commercial CAD synthesis tools, gained knowledge about architectural synthesis, making efficient Datapath using high-level synthesis and then implementing it, considering latency, cost, area, power consumption, time of execution, vendors, clock cycles, and a number of other factors.
- Read various research papers as part of internship, to gain knowledge about high level synthesis and architecture synthesis with HLD, and LLD.

ADDITIONAL INFORMATION

Projects: • DBraille - OCR to convert Indian regional language (Kannada, Hindi etc) into Braille ready format with heading detection, image description etc. • Handwriting recognition using ANN (Made from scratch-Backward and forward propagation) • Insurance Fraud Detection – ANN) • Mask detection and automated ticket raising – using YOLOv3 • BFS with parallel processing – Level wise multi-threading

Awards/Honors: • Semi-Finalist International Olympiad of Mathematics by silverzone foundation (319 International rank) • Finalist in Code Gladiator 2018 and 2021 by Techgig • Winner CodersBit 2018 (International coding competitions) by InterviewBit • 91 percentile in NPAT (NPTEL) by NPTEL • 98 and 91 percentile in PSA(Problem Solving assessment) by CBSE, India • Selected for 'National Children Science congress' -Govt of India • 'ITDP Rockstar' award Dell Technologies 2019-2020 for Best graduate. • Finalist HackBiz Hackathon - Dell Technologies

Publications: • "[Implications of Machine Learning for autonomic network operation and management](#)" - Journal of Xidian University (Science and Technology Edition) 15 (8), 307-315 • "[Covid-19 Future Forecasting Using Exponential Smoothing](#)" - Strad Research ISSN: 0039-2049 8 (8), 724-737

Certifications: • Neural Networks and Deep Learning – [Coursera](#) • Structuring Machine Learning Projects – [Coursera](#) • Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - [Coursera](#) • Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning - [Coursera](#) • MongoDB Basics - [MongoDB University](#) • Python Data Structures by University of Michigan – [Coursera](#) • Kubernetes for the Absolute Beginners - Hands-on – [Udemy](#) • ASP.NET Web API 2 Hands-On – [Udemy](#) • Dependency Injection in .NET Core & .NET 5 (Second Edition) – [Udemy](#) • Software Architecture: Dependency Injection for C# Devs – [Udemy](#) • Using SOLID Principles to Write Better Code - A Crash Course – [Udemy](#) • SQL- [HackerRank](#), Problem solving([Basic](#), [Intermediate](#), and [Advance](#)) special certification from Hackerrank.

Skills: Python, AI/ML, R programming, TensorFlow, Hadoop, Big Data, C#, Java, docker, Kubernetes

Extracurricular Activities: • Volunteer - Rotary club, Banswara(covid relief work), • Volunteer – New Utsav foundation, Banswara (animal welfare), • Certificate of Special Efforts – Cancer Aid Society, • 2nd prize in Inter-school Dance competition, • Participation in Rajasthan Scouts and Guide Activities, • taekwondo, • Won a bronze medal in relay in zonal in year 2007.

Interests: Solving programming questions, reading technological articles, cooking.