

Ishank Vasania

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EDUCATION

[UNIVERSITY OF WASHINGTON, SEATTLE, WA](#)

Master of Science

Data Science

Sept 2022 – March 2024

[SRM INSTITUTE OF SCIENCE AND TECHNOLOGIES, KTR, INDIA](#)

Bachelor of Technology

GPA 9.08/10.0, Major GPA 10.0/10.0

July 2019

EXPERIENCE

[DELL TECHNOLOGIES](#)

Bangalore, India

Software Engineer 2, Innovation – Product Management, Commerce platform

April 2022 - Sept. 2022

- Created a Machine learning – NLP solution to predict the type of defect based on developer code, point of failure, exception or error code, tester comments, application, repro steps, etc. data fields.
- Played crucial role in Test Before Dev (TB4D) – left shift approach, data virtualization, and headless APIs.
- Led Tech CSR team for a project 'DBraille', to convert books in Indian regional languages into braille-ready format. Solved OCR for Kannada language used CNN and ml algorithms for detecting heading, images, tables, dates, and reducing spacing.
- Led team for one of the applications in Dell, TB4D maturity assessment tool. Work involved making API contracts, designing database, deciding API flows, and coding microservices.
- Improved algorithm for gherkin compiler to process more than 1000 scenarios simultaneously.
- Earned a prestigious spot in the "Dell global Tech CSR - Hall of Fame".
- Reduced war room defects by 95% thus improving work-life balance and cutting release time by left-shift approach. Reduce the cost and time of converting books into braille books to 1 week and made it cost-effective.

Software Engineer 1, Innovation, Dell Buyer-Seller platform

July 2019 - March 2022

- Developed and took part in designing of 'Predictive Analysis' project to predict and show the area of effect for a particular code change across multiple applications. ML and NLP were used with developer code, defects, applications, etc. as data fields.
- Worked on 'Fasty' as a developer for automating test case creation through acceptance criteria. Architected and coded databases, API flows, API contracts, and APIs. Made a Gherkin compiler for error-free feature files.
- Created CICD dashboard for a consolidated view of all Dell Buyer projects on Gitlab. Capable of showing CICD maturity.
- Automated ADO-Azure plan creator by using Breadth First Traversal with parallel processing on each level, removing manual interpretation and reducing the time by 97%.
- Organized various events and workshops as part of Dell ITDP program (IT development program – for recent grad FTEs).
- Awarded the 'ITDP Rockstar' award, which is given to only a few ITDPs over a two-year period.
- Secured 2nd position in APJC Hackathon-HackBIZ, Impactathon, and 3rd in Helpathon. Made employee motivation, dell branding eCommerce software – 'Euphoria' tool as a part of HackBIZ hackathon, and 'Water to all' in 'Impactathon' which included a basic water filtration model with minimum resources for rural India. Made software for helping autistic students in Helpathon.

Software Engineering Intern, Dell Buyer-Seller and Campus Ambassador, Dell-SRM IST

Jan. 2019 - May 2019

- Developed software using python flask and ml algorithm for a project 'Machine learning for Automation', helping find out the cause of not detecting defects in preliminary testing,
- Conducted events in SRM IST giving information about Dell and its culture
- Coordinated between college and Dell Team regarding various internship and job opportunities.

SKILLS

Python, ML(supervised and unsupervised machine learning), Deep Learning and ANN, NLP (Natural Language Processing), GANs, R programming, MongoDB, MySQL, SQL Server, TensorFlow, Keras, Hadoop, Big Data, C#, Java, docker, Kubernetes

RESEARCH WORK

- [Implications of Machine Learning for autonomic network operation and management](#) - Journal of Xidian University
- [Covid-19 Future Forecasting Using Exponential Smoothing](#) – Strad Research