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www.linkedin.com/in/ishank-vasania (LinkedIn)
ishank09.github.io/profile/ (Personal)
ishankvasania.medium.com/ (Blog)

Top Skills

TensorFlow
Firebase
File Systems

Languages

Hindi (Full Professional)
French (Elementary)
English (Full Professional)

Certifications

Data Science and Big Data Analytics v2 On-Demand Lab - Europe
Python Data Structures by University of Michigan
Using SOLID Principles to Write Better Code - A Crash Course
DCA-Data Science Associate Version 2.0 - Internal
SQL (Basic)

Honors-Awards

Semi-Finalist International Olympiad of Maths
Finalist Code gladiator
Finalist Code Gladiator
Winner CodersBit
Intera-Regional Level winner National Children's Science Congress by Govt Of India

Publications

Implications of Machine Learning for autonomic network operation and management

Ishank Vasania

Software Developer at Adobe | Backend | Fullstack | University of Washington MSDS Alumni
Seattle, Washington, United States

Summary

Experienced Software Engineer with a passion for cloud infrastructure and a comprehensive understanding of Kubernetes, GitOps, and CNCF graduating projects such as ArgoCD, Kubernetes, and Helm. I have hands-on experience working on the platform team at Adobe, where I honed my practical skills in managing complex cloud-native architectures. With a strong technical background in Python, .NET, SQL, Elasticsearch, GoLang, React, MongoDB, and more, I have successfully designed and implemented robust system architectures and microservices, delivering efficient and scalable solutions. My background in Data Science, complemented by real-time projects at Dell, has equipped me with a solid foundation in data science and machine learning. By leveraging my diverse expertise across various fields, I strive to create meaningful connections between software engineering, cloud infrastructure, and data science, pushing the boundaries of technological innovation.

Experience

Adobe
Software Developer 2
March 2024 - Present (1 year 5 months)
San Jose, California, United States

Paul G. Allen School of Computer Science & Engineering
Research Assistant
January 2024 - March 2024 (3 months)
Seattle, Washington, United States

Involved in a learning science research project. Developed a software engineering architecture for finding and removing/reducing ML model bias. Made tensorflow model retraining on Python fast API.

University of Washington

COVID-19 FUTURE FORECASTING USING EXPONENTIAL SMOOTHING

Teaching Assistant
September 2023 - December 2023 (4 months)
Seattle, Washington, United States

Course: HCDE 598 A - Designing Human-Robot Interactions.

Adobe
Software Engineer Intern
June 2023 - September 2023 (4 months)
San Jose, California, United States

Global Innovation Exchange (GIX)
6 months

Reader/Grader (TA) - Course Assistant
March 2023 - June 2023 (4 months)
Seattle, Washington, United States

Course: TECHIN 599: Special Topics in Emerging Technologies

• Grade student assignments and projects, conduct office hours, and have doubt-clearing sessions.

• Utilize skills in frontend development, machine learning, Python, and microservices.

Reader/Grader (TA) - Course Assistant
January 2023 - March 2023 (3 months)
Seattle, Washington, United States

Course: TECHIN 510: Programming For Digital And Physical User Interfaces

• Grade student assignments and projects, conduct office hours, and have doubt-clearing sessions.

• Utilize skills in frontend development, machine learning, Python, and microservices.

Dell Technologies
3 years 9 months

Software Engineer 2
July 2019 - September 2022 (3 years 3 months)
Bengaluru, Karnataka, India

• Developed an application for automating test case creation through acceptance criteria. Architected and coded databases-MySql, API flows, API contracts, and APIs in .Net C#. Made a Gherkin compiler for error-free feature files.

• Designed and developed a GitLab Maturity Assessment Tool using .NET Core, involving creating API contracts, designing databases, defining API flows, and coding microservices.
• Made a Gherkin compiler for error-free feature files and optimized algorithm for processing about 1000 scenarios simultaneously.
• Led a Tech CSR team to create a .NET Core microservice for the 'DBraille' project, which converted books in Indian regional languages into a braille-ready format using OCR and ML algorithms while tracking files in progress, completed, and queued.
• Automated Azure DevOps plan creation by using Breadth First Traversal with parallel processing on each level, removing manual interpretation and reducing the time by 97%, using .Net core as the API framework.

Campus Ambassador
January 2019 - June 2019 (6 months)
Bengaluru, Karnataka, India

• Created a software solution using Python Flask and machine learning algorithms to investigate the root cause of defects not being detected during preliminary testing.
• Coordinated between college and Dell Team regarding various internship and job opportunities.

Software Engineering Intern
January 2019 - May 2019 (5 months)
Bengaluru, Karnataka, India

Developed a software using python flask, ml algorithm to predict the probable area of failure between various interlock applications.

Zoho Corporation
Software Development Intern
June 2018 - July 2018 (2 months)
Chennai, Tamil Nadu, India

As a software developer Intern, I developed a server congestion control tool using past and real-time data from the logger.

Shyanosoft Pvt. Ltd.
Software Development Intern
May 2017 - June 2017 (2 months)
Jaipur, Rajasthan, India

Made a invoice system for grocery shop using mobile phone for qr code scanning.

IIT
Research Intern
December 2016 - January 2017 (2 months)
Indore, Madhya Pradesh, India

I did my first internship at the Indian Institute of Technology Indore (IIT Indore), in that, I
learned about hardware Trojan and digital watermarking and implemented high-level synthesis
methodology for hardware design, Trojan security, Data path design, and controller
development. I was responsible for making a standard benchmark on commercial CAD
synthesis tools, gaining 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. Finally implemented and did the simulation and in Intel Quartus
software to check it by making centralized control unit.

Education

University of Washington
Master of Science - MS, Data Science · (September 2022 - March 2024)

SRM University
Bachelor of Technology - BTech, Computer Science · (2015 - 2019)

Kendriya Vidyalaya
12 standard, Computer Science PCM · (2014 - 2015)

Kendriya Vidyalaya
10 standard, PCM · (2012 - 2013)