

BHAVESH GOYAL

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EDUCATION

Cornell University, Ithaca

Masters of Engineering in Computer Science

Aug 2025 - May 2026

Ithaca, USA

Vellore Institute of Technology (VIT), Vellore

Bachelor of Technology in Computer Science and Engineering, CGPA: 8.97/10

Jul 2018 - May 2022

Vellore, India

WORK EXPERIENCE

JPMorgan Chase & Co – Asset and Wealth Management - SDE II

Jan 2022 – Jul 2025

- Built probabilistic match engine to link company names with internal IDs, thus **improving Ops efficiency by 50%**
- Developed an **equity mapping pipeline** to enable faster research by quant teams, **7x faster** than the legacy solution
- Designed and deployed street identifier ML model to enhance data lookups, **reducing data quality issues by 20%**
- Created a **deterministic ID resolution engine** for market data linking, reducing manual reconciliation substantially
- Led decommissioning of a legacy data pipeline with zero downtime, reconciliation and **100% consumer migration**
- Designed **Cross-Domain GraphQL APIs**, a mechanism that decreased data retrieval hops from 3 to 1, saving time

RELEVANT INTERSHIPS

JPMorgan Chase & Co – Summer Intern

May 2021 – Jul 2021

- Created monitoring and alerting dashboards using DataDog and Splunk, proactively mitigating potential data issues
- Designed a distributed tracing system on top of applications to display the entire trace of any request across services
- Integrated unique trace IDs in logs for faster debugging along with set up of Splunk based alerts for error detection

Samsung Prism - Machine Learning Engineer Intern

Dec 2019 – Aug 2020

- Developed neural network-based Generative Adversarial Network (GAN) model for shadow detection and removal
- Refined the GAN model to enable shadow removal in real-time, with each image processed in under 0.0757 seconds
- The model's ability to operate in real time without compromising image quality has made it useful for smartphone

RELEVANT PROJECTS

Blision — Assistive AI for Visually Impaired — *Python, TensorFlow, OpenCV*

- Integrated object detection, staircase counting and emotion recognition via eyeball tracking for real world assistance
- Estimated the confidence levels of people interacting with visually impaired users by tracking their eye movements

AutoCert — Automated Certificate Generator — *Python, Streamlit, OCR*

- Developed 'AutoCert', an intuitive dashboard using Streamlit and OCR to automate certificate generation from CSV
- Designed scalable platform for generating and distributing certificates using customizable templates and CSV input

Smart Park — AI-Powered Parking Locator — *Python, Django, OpenCV*

- Leveraged deep learning model to detect vacant parking spots, resolving space inadequacy by renting those spaces

SKILLS

Languages and Tools: Python, C++, Dart, MySQL, MongoDB, DataDog, Splunk, Git, GraphQL, Postman

Technologies and Frameworks: AWS (Lambda, EC2, S3, Glue), Terraform, Flask, Django, MongoDB, Streamlit

Leadership: Team Mentor in Generation Tech event and Subject Matter Expert at Code for Good

ACHIEVEMENTS

- Successfully obtained Cloud Practitioner certification by Amazon Web Services (AWS) **2025**
- Achieved Circle of Excellence Award for significant Business Impact, JPMC **2024**
- Received Accelerated promotion from SDE-I to SDE-II in 1.5 years at JPMC — *Top 1% performers* **2024**
- Winner: Hack4Cause, Chef's Hack by CodeChef, VIT Achiever Award **2021**
- Received Certificate of Excellence from Samsung for outstanding performance in project/deliverables **2020**