BHAVESH GOYAL

bg487@cornell.edu | (607) 339-9706 | bhaveshgoyal.com | linkedin.com/in/bhaveshgoyal27 | github.com/bhaveshgoyal27

EDUCATION

Cornell University, Ithaca, USA **Aug 2025 – May 2026**
Master of Engineering in Computer Science
Vellore Institute of Technology, Vellore, India **Jul 2018 – May 2022**
Bachelor of Technology in Computer Science and Engineering, **CGPA: 8.97/10**

WORK EXPERIENCE

JPMorgan Chase & Co – Asset and Wealth Management - SDE II **Jan 2022 – Jul 2025**

- Built probabilistic match engine to link company names to their internal IDs, thus improving Ops efficiency by 50%
- Developed an equity mapping pipeline to enable quicker research for quant teams, 7x faster than the legacy solution
- Designed and deployed street identifier ML model to enhance data lookups, reducing the data quality issues by 60%
- Created a deterministic ID resolution engine for market data linking, automating manual reconciliation substantially
- Led decommissioning of a legacy data pipeline ensuring zero downtime and recon with 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

Enhancinator — Intelligent Image Enhancement Tool — *Python, OpenCV, Streamlit, Deep Learning*

- Built a modular and interactive tool to auto-enhance low-quality images using deep learning–based super-resolution
- Designed a scalable pipeline supporting real-time previews, and configurable operations via an intuitive dashboard

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, SQS), 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**