VIKRANT BHATI

+1-540-934-8027 | bhati.vikrant@outlook.com | linkedin.com/in/vikrantbhati

Education

Virginia Tech, Blacksburg, VA
Master of Science – Computer Engineering, Aug'2024 –InProgress
- *Related Coursework: Advance Machine Learning, Computer Vision, Nonlinearity & Predictability*

Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, India
Bachelor of Technology, Electronics and Communication Engineering (ECE), Jul'2013-June'2017
- *Related Coursework*: Computer Programming, Data Structure, Cyber Security, Microprocessors, Microcontroller and Its Applications

Machine Learning Experience

Generating AI Anime Images, *Virginia Tech, Oct'24 – InProgress*
- In this project, we are developing an application that will be able to generate anime-based AI images based on characteristics provided by the user.
- I will be leading a 3 membered team and I will primarily focus on the implementation of DCGAN and CGAN for generating AI images.
- In this, we are using GAN, DCGAN, CGAN, unsupervised learning and CNNs

Gesture Control Game, *Virginia Tech, Oct'24 – InProgress*
- This project is to develop a gesture-based control system of a direction-controlled game where, using hand gestures, a gamer can move left and right or continue going straight.
- We are a team of two engineers where I will be primarily focusing on the computer vision side of the project to read the gestures from a camera and control the game based on it.
- It will be using OpenCV and Media pipe to read the hand gestures while using Pygame for writing the game.

Software Development Experience

Specialist, Software Development Engineering, *Fiserv India Private Ltd: 2020 – Jul'2024*
- Designed and developed DNC microservice utilizing Google Cloud Services (Pub/Sub, GCS, Cloud Functions, Kubernetes, Cloud Spanner) to verify phone numbers' compliance with FTC's Do Not Call Registry.
- Led the team of 5 engineers to create a native inventory storage solution empowering Clover merchant to manage multiple menus, reducing reliance on external apps.
- Engineered the decomposition of the monolithic application into a distributed system of microservices enhancing scalability and agility.

Professional, Software Development Engineering, *Fiserv India Private Ltd: 2018 – 2020*
- Implemented Card Free Cash feature enabling cardholders to conduct transactions without physical cards. Built standalone server for ATM and POS requests, RESTful services for mobile app integration, and Web GUI for admin configurations.
- Spearheaded the automation of the deployment process through CI/CD pipelines while integrated critical security scanning tools, including Fortify, Sonatype, and WebInspect, to fortify our systems to make the system more reliant, compliant, and robust.
- Developed the library to encrypt Personally Identifiable Information (PII), Payment Card Industry (PCI) data using Voltage (HPE Tool).

Trainee, Quality Assurance Engineering, *Fiserv India Private Ltd: 2017 – 2018*
- Automated 600+ manual test cases using IBM Rational Function Tool leading to 60% per sprint reduction in the regression efforts.

- Built and executed comprehensive test cases and test suites for the Billing module in IIP Application. Successfully reduced 50% regression bugs in each sprint and maintained Zero-severe production bug record.
- Acquired proficiency in vital software development areas: Agile methodology, GIT version control, and Jira project management.

Technical Skills

- *Concepts*: Data Structures & Algorithms, OOPs, RDBMS, NoSQL
- *Programming Languages*: Python, Java, JavaScript, C++, SQL, HTML, CSS
- *Tools & Frameworks*: NumPy, Matplotlib, CNN, CGAN, DCGAN, Spring Boot, Spring, Redis, Pub-Sub, Kafka, Kubernetes, OpenAPI, JPA, Restful APIs, Supervised and Unsupervised Learning, Recommender Systems
- *Clouds*: Google Cloud, Microsoft Azure Cloud, AWS
- *Tools and IDE*: Git, IntelliJ IDEA, Jupyter Notebooks, Terraform, Jenkins, SonarQube, MySQL Workbench, PyCharm, MongoDB

Leadership Positions

- Trained 30+ engineers in backend technology such as JAVA, by creating comprehensive learning paths and assignments.
- Pioneered Clover India's initiative as the first Server Engineer, playing a key role in building a team from its inception to a formidable force of 250+ engineers.
- Recognized with an Orange Story highlighting my professional journey to inspire fellow engineers.

Honours & Certifications

- **ISTQB Certified Tester Foundation Level** by Indian Testing Board (ITB)
- Securing a rank of 13,307 out of 141,665 in **Graduate Aptitude Test in Engineering (GATE) conducted** by IIT, Roorkee on behalf of NCB-GATE in 2017.
- 15+ Living Proof awards for outstanding work and Employee of the Month on 3 occasions while working for Fiserv.

Extracurricular Activities

- Won three Clover Hackathon competitions held globally securing Judges Awards, 2nd place and 1st place respectively by implementing Communication Commerce using RCS, Smart inventory and Automatic Tip Management system.
- Active participant in online coding platforms, holding a global ranking of 6989 on Interview Bit and competing in coding challenges on Leetcode.
- Engage in CSR activities at Fiserv, such as plantation drives, and evening classes for underprivileged students.
- Spoke on fostering inclusivity and a healthier atmosphere within the LGBTQ community at the Fiserv Pride Jun'22 event.
- Represented Fiserv at the Bison Hacks-21 hackathon conducted virtually at Harvard University.
- Emceed hackathon and open house on more than 10 occasions at Fiserv.
- Successfully hosted various fests such as LITERARY FEST'15 at KIET, Ghaziabad.