DHIRAJ D. GANDHI

My passion for Computer Science drives me to succeed

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EDUCATION

Rutgers University | Princeton University, New Jersey   *Jan 2020 - Dec 2021*
Master of Science in Computer Science – GPA: 4.0/4.0

Visvesvaraya National Institute of Technology, *Nagpur, India | B. Tech Computer Science*   *Aug 2013 - May 2017*

SKILLS

Programming Languages	C++, Java, Python, Typescript, Lua
Mobile and Web Technologies	ReactJS, React Native, Redux, Angular2, HTML5, CSS, JS, JavaFX
Frameworks	Java-Spring (Boot, Cloud, Data, Security, Web), PySpark, Django-Python, Ionic, Flask
Databases	MongoDB, Oracle DB, MySQL, AWS RDS, H2
Other	Docker, Kubernetes, Consul, Vault, Jenkins, OpenCV, Junit, Hibernate, Kafka, Redis, Fluentd, Fluent-bit, Maven, Prometheus, OpenShift, OpenWhisk.

WORK EXPERIENCE

Google Ads | Software Engineer | Displays Formats Team   *March 2022 - Present*
- Working on Content Serving and Modelling that is responsible for all the image and video ads that are served on the web.
- Making ads better with enhanced text and image assets, layouts, and different aspect ratios.

Adobe Inc. | Software Developer Intern | Developer Experience – Acceleration Team   *June 2021 - Sept 2021*
- Initiated and developed Rate Limited Logging using **Fluent-bit** log processor for the Adobe I/O runtime team.
- Implemented in **Lua** to limit the log rate of customers to 10MB per **activation**, thus reducing **Splunk** storage cost for business.
- Developed a feature in **Fluentd** to calculate overall latency for logging to meet SLAs, using **Fluentd** plugins and **Ruby** scripting.

Rutgers Rail and Transit Program | Graduate Research Assistant | *New Jersey*   *Aug 2020 - Present*
- Developed an Intelligent Grade Crossing Tool for US Federal Railways to reduce the 95% accidents occurring due to Trespassing.
- Initiated the design and development of the backend system using **Python Flask APIs** and **MongoDB** deploying to **AWS EC2**.
- Designed and trained deep **CNN** networks like **YOLO** on **AWS** servers using datasets like **COCO, MOT** and manually labelled data.
- Implemented object detection, tracking algorithms like **Deep SORT**, **YOLO** resulting in a **mAP of 0.85** using Data Augmentation.

Barclays US | Senior Software Developer (BA4) | *Pune, India.*   *Aug 2017 - Dec 2019*
⇨ ***Push Notification Engine for Barclays US***
- Developed **Microservices** in **Java8** using **Spring Cloud Streams** to send Push, Email & Letter communications to ~10M customers.
⇨ ***Service*** *Migration from Elastic VMs to OpenShift aPaaS*
- Initiated **migration of ~450 services** from across Barclaycard US and delivered a **ReactJS** dashboard to aid developers in migration.
- Lead development of **Java plugins**, **archetypes** to automate code migration to new Platform **reducing ~7day/developer** efforts.

Indian Institute of Technology (IIT) - Bombay | Software Developer Inter | *Mumbai, India*   *May 2015 - July 2015*
- Created an **open source** MOOCs platform like **edX** for **~3000 Indian Institutions** using **Django-python** framework.

PROJECTS

Co-Founder, *Student Portal VNIT*, *India* | http://studentportal.vnit.ac.in/   *Dec 2015 - Present*
- Founded an online portal using **Django-python** framework with ~4000 registered students, faculty members and alumni, to help connect students across university and share campus related activities, interview experiences, tech blogs and a lot more.
- **Voluntarily leading the design and dev** with a team of 10 student developers adding new features to the portal.

Lead, *Business Inventory Mobile Application*, *New Jersey*   *May 2020 – Jun 2020*
- Creating a **React Native (with Redux)** cross-platform mobile application for small businesses to manage product inventory.
- Led a team of 3 developers to design and develop Database schema, **Rest APIs**, UI screens and deployed to **AWS EBS** and **RDS**.

ACTIVITIES

- **Attained 3rd position** at **State Bank of India** **Hackathon** to Predict Loan defaulters 6 months ahead of time leveraging LSTMs.
- **Winner of Barclays Annual Coding challenge; 2 times Winner of the quarterly Innovation challenge; Center of Excellence awardee.**
- **Achieved 1st position** at cultural event 2015 and **3rd position** at IIM Lucknow as a member of **Dance Club (Team 911)** at university.