

Dharmin Shah

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EDUCATION

University of Southern California , Los Angeles, California	(Expected) Dec 2021
Masters in Computer Science	CGPA: 3.85/4
Veermata Jijabai Technological Institute , Mumbai, India	May 2018
Bachelor of Technology in Computer Engineering	CGPA: 8.83/10

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, HTML, JavaScript, PHP, C#, PeopleCode **Systems:** Windows, Linux, MacOS
Technologies: TensorFlow, Pandas, Matplotlib, Splunk, NumPy, PySpark, NLTK, Git
Cloud: Amazon AWS (Lambda, VPC, EC2, S3, Redshift, EMR), GCP, Docker, Kubernetes
Database: Oracle, MySQL, SQL Server, PostgreSQL **Software and Tools:** Unity, JIRA, REST API, Hadoop, Android Studio

EXPERIENCE

- Nomura Services India Pvt. Ltd., Mumbai, India** | Developer Analyst *June 2018 – September 2019*
- o Single-handedly enhanced and maintained in-house developed module in the ERP Software (**PeopleSoft**)
 - o Developed new Application Engines for data processing logic, Pages to display users and processes to automate recurring tasks maintaining stock volatility and other critical trade related data (**People Code**)
 - o Turned the reporting needs into powerful SQL queries that extract data and compile it into meaningful reports (**Oracle** database and **PL-SQL** programming) and shell scripting for Linux administrative tasks (**Perl, Bash**)
- Samsung Research and Development, Bangalore, India** | Research Intern *May 2017 – July 2017*
- o Laid the foundation of Simultaneous Localization and Mapping (SLAM) on Android devices at Samsung
 - o Gained basic working knowledge of the working of the ORB-SLAM 2 Algorithm and ported the Tracking, Mapping and Loop Closure elements of the algorithm on Android devices (**Java, C++, OpenCV, Pangolin, Eigen3, DBow2**)
 - o Profiled performance on Phone to compare with Desktop and improved stability for live feed key frames insertion
- Mahindra & Mahindra Ltd, Mumbai, India** | Software Development Intern *June 2016 – July 2016*
- o Performed automated testing and manual ad-hoc testing for identifying bugs in the company consumer websites: withyouhamesha.com and mahindrasyouv.com
- Prosares Solutions Pvt. Ltd., Mumbai, India** | Software Development Intern *May 2016 – June 2016*
- o Developed online survey form as per client requirement to be used by all employees of the firmwide to provide feedback (**ASP.NET MVC framework, C#, SQL Server 2008**)

PROJECTS

Distracted Driver Detection and Classification

- o Classify the input dashboard camera image into ten types based on the reason of distraction of the driver of a car
- o Incorporated various data augmentation techniques to prevent overfitting of the model due to limited image dataset
- o Trained the base Convolution Neural Network on GCP in **Python** using **Keras** and **TensorFlow** libraries
- o Created an ensemble of VGG-16, VGG-19 and InceptionV3 models to achieve accuracy of 0.89

Social Media Website

- o Developed a social media platform using **PHP, HTML, JavaScript, CSS, MySQL** to connect with friends and enable sharing and liking of posts, pictures visible on their respective news feed
- o Implemented messenger functionality to chat with friends using **AJAX and JQuery**

Official VJTI Entrepreneurship cell Android Application

- o Launched an android application that briefs users about the various events held during the fest and register for them
- o Application marked more than 1000 installs within a year on Google Play Store with average rating of 4.5

PUBLICATIONS

Distracted Driver Detection and Classification *ISSN: 2248-9622*
International Journal of Engineering Research and Application, Vol. 8, Issue4 (Part -III) April 2018, pp60-64

CO-CURRICULAR ACTIVITIES

- Won Hackathon hosted for Samsung R&D Summer Interns from all over India *May 2017*
Won second prize in Android application Hackathon held in the VJTI college fest *December 2017*
VJTI Alumni Association | Chief Marketing Officer *May 2017 – May 2018*
- o Headed a team of 20 students to plan the event timelines, coordinating with the members, offline and online marketing
- VJTI Startup Networking Conference** | Marketing Head *June 2017 – May 2018*
- o Spearheaded the marketing of the event that provided a platform for students to pitch their startup ideas to VCs