AISHWARYA MITTAL

Email: aishwaryamittal2011@gmail.com

Contact: +91-8171639471

LinkedIn: aishwarya-mittal

GitHub: aishmittal

AREAS OF INTEREST:
Full Stack Development, AI & Machine Learning, Data Science.

EDUCATION:
Bachelor of Technology | Indian Institute of Technology Roorkee (July 2014 – May 2018)
Major: Electrical Engineering,
Minor: Computer Science and Engineering
CGPA: 9.473/10.0

EXPERIENCE:
Member of Technical Staff - II | Adobe Systems, Noida (July 2018 - Present)
- Worked on development of print RIPs by fixing existing bugs related to memory management and print quality, done porting of the products for different machine configurations and operating systems, added support for multiple image formats such as JPG, PNG, BMP and TIFF for input to RIP.
- Worked on a Photoshop extension and plugin for textile designers. Implemented multiple user interface features using *Angular JS* from scratch such as live preview for the artwork and multiple colorways. Handled the communication between the extension (Angular JS based user interface) and plugin (C++ based backend) using event management and photoshop SDK.
- Implemented various Machine Learning and Computer Vision based features for improving the quality of scanned documents.

Research Intern | Adobe Research Lab, Bangalore (May 2017 – July 2017)
- Worked on a research project which is focused on evaluating the concepts of Multi-Task Learning (MTL) on web analytics data. The hypothesis tested in the project is that jointly building related models is more effective than doing them independently.
- Using MTL in the context of neural networks (NNs) allows the creation of a representation that is common across tasks. This representation is utilized as a customer profile for-lookalike modelling and clustering.

PROFESSIONAL ENHANCEMENTS:
Courses
- Deep-Learning specialization by Deeplearning.ai. (Certificate)
- Machine Learning by Stanford University. (Certificate)

Awards
- First Prize in Real Life Application Bot category for project 'Man Following Cart' in Srishti 2015 at IIT Roorkee.
- Awarded CBSE Certificate of Merit for obtaining A1 grade in all subjects in AISSE 2011.
- Received *'Amul Vidhya Shree'* award in year 2011.

TECHNICAL SKILLS:
Computer languages:
C/C++, Python, HTML, CSS, JavaScript, MATLAB, SQL, Bash Scripting.
Software Packages & Tools:
Visual Studio, VS Code, XCode, CMake, Perforce, GitHub, Unity 3D, Adobe Creative Cloud.
Libraries:
OpenCV, TensorFlow, NumPy, Pandas, Scikit-Learn, PyQt, Matplotlib
Web Frameworks: AngularJS, ReactJS, Flask
Operating Systems: Windows, Linux, MacOS

PROJECTS:
Smart Attendance Management System
Made an automatic attendance management system based on face recognition using the CNN (Convolution Neural Network) model. (Link)

Smart Mirror
Developed prototype of a Smart Mirror with additional functions such as face recognition-based login and speech recognition for giving the commands. (Link)

Product Info Crawler
Developed a web crawler using Scrapy framework to crawl product information from different e-commerce websites. (Link)

Ultimate Maze
Ultimate Maze is a game developed using UNITY 3D which involves solving a maze. (Link)

EXTRA-CURRICULAR:
Positions of Responsibility
- Web Developer & Mentor at ASME IIT Roorkee Chapter.
- Project Mentor, Electronics Section, IIT Roorkee

Participations / Volunteering
- Volunteered for Project Smile Community League. Planned and organized multiple sport activities such as Carom, Foosball, Chess, Badminton etc for NGO Kids.
- Participated in Adobe Cyclothon 2020, paddled 62 KM in 3 Hrs.
- Participated in Adobe Smile Run-a-thon 2020, completed 5 Km run in 30 Minutes.

Hobbies
Playing badminton, table-tennis, doing yoga and meditation, listening to music, watching movies and tv-series.