ABHISHEK MANI

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61A, 181 Claremont Ave, New York, NY 10027

EDUCATION

Columbia University   New York, NY
MS in Management Science and Engineering   GET Jan 2021 – May 2022
  Courses: Operations Consulting, Probability Statistics & Simulation, Optimization Models and Methods, Data Analytics
Vellore Institute of Technology   GPA: 8.67/10   Chennai, IN
BTech in Electronics and Communication Engineering   Jul 2014 – Apr 2018
  Courses: Data Structures and Algorithms, Operating System, Computer Communication, Information Theory and Coding

SKILLS & ADDITIONAL INFORMATION

Technical Skills: Python, SQL, Shell Scripting, HTML, Cascading Style Sheets (CSS), R (Basics), Git, MATLAB
Tool-Based Skills: Kanban, JIRA, Jenkins, Trello
Operating Systems: Microsoft Windows, Linux
Honors & Awards: Amadeus Futurize Hackathon 2k19 Winner, Amadeus Futurize Ideathon 2k18 Winner
Certifications: Certified Scrum Master (CSM®), December 2019 – Completed with a 100% score
Certified Short-Courses: Data Analysis using Excel, Data Descriptors and Application to Business Decisions, Data Analysis with Python, Introduction to R

PROFESSIONAL EXPERIENCE

Amadeus Software Labs Pvt. Ltd.   Bangalore, IN
Software Engineer   Jun 2018 – Nov 2020
- Proposed and adopted new methods to automate day-to-day manual work by means of Python and Shell Scripting in Linux Environment leading to 75% improvement over manual tasks.
- Solely responsible for designing, developing, testing, deploying and maintaining backend flow for 2 major automation projects.
- Managed software production issues, providing solutions to functional issues of client.
- Supervised and investigated post-production issues for the Technical Control Unit, contributing to internal service level agreements.
- Worked with 4 software engineers from 2 cross functional teams on an automation project, reducing project delivery time by 40%.
- Mentored and coached 1 intern, later hired into full-time role.

Amadeus Software Labs Pvt. Ltd.   Bangalore, IN
Software Engineering Intern   Jan 2018 – May 2018
- Managed development of a Virtual Reality (VR) software development kit (SDK) leveraging Unity Studio. Integrated the SDK with an android based travel booking application utilizing Android Studio. Enabled a booking feature in SDK granting user to book tickets to 42 destinations.
- Created an Augmented Reality (AR) SDK utilizing Unity Studio. It was also integrated with an android application as a different module. The AR SDK permitted to view different items in AR form. The AR SDK was a replica of an in-flight menu card and included 25+ items including toys, watches, jewelry, food items etc.

Delhi Metro Rail Corporation (DMRC) Ltd.   New Delhi, IN
Winter Trainee   Nov 2016 – Nov 2016
- Collaborated in the S&T (Signaling and Telecom) Division of DMRC.
- Learned about cutting-edge technology operated, fare and ticketing system and various techniques of handling data processed/generated every day.

PROJECTS

Transmission of Real-Time Voice Signal Using Laser Light   Jan 2017 – May 2017
- Led a team of 4 to develop a model leveraging IC LM386 (powered by a 9v battery) at the transmitter and receiver end to transmit a voice signal (95% accuracy) clearly to a distance of 30m from source.

Analysis of Variance Using 'R' Software   Jan 2016 – May 2016
- Worked in a team of 5 to implement Analysis of Variance (ANOVA) using 'R' to differentiate treatment results based on easily computed statistical quantities from the treatment outcome.

Image Compression Using Wavelet Transformation   Jan 2016 – May 2016
- Steered a team of 3 to evaluate a method for utilizing MATLAB to compress images using wavelet transforms to save memory and store data efficiently; any image file could be reduced to 75% of original size.

LEADERSHIP AND INVOLVEMENT

SSP Fun Committee Head, Amadeus Software Labs Pvt. Ltd.   Sep 2018 – Jul 2019
- Assigned the responsibility to cater to and organize events to boost the productivity of the employees in the division.