

ABHISHEK MANI

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EDUCATION

Columbia University

New York, NY

MS in Management Science and Engineering

GET Jan 2021 – May 2022

Courses: Operations Consulting, Stochastic Models, Probability Statistics & Simulation, Optimization Methods

Vellore Institute of Technology

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

GPA: 8.67/10

PROFESSIONAL EXPERIENCE

Amadeus Software Labs Pvt. Ltd.

Bangalore, IN

Software Engineer

Jun 2018 – Current

- Proposing and adopting new methods to automate day-to-day manual work by means of Python and Shell Scripting in Linux Environment leading to 70% improvement over manual tasks.
- Solely responsible for designing, developing, testing, deploying and maintaining backend flow for 2 major automation projects.
- Managing software production issues, providing solutions to functional issues of client.
- Supervising and investigating post-production issues for the Technical Control Unit, contributing to internal service level agreements.
- Collaborated 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.
- Structured 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.

Bharat Electronics Ltd (BEL).

Ghaziabad, IN

Summer Trainee

Jun 2016 – Jul 2016

- Learned working and designing of almost 80% of antennas and radars manufactured by BEL.
- Studied about different domains in which various products manufactured are used and also about business strategies used to attract customers.

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.

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.

ADDITIONAL SKILLS & INFORMATION

Technical Skills: Python, Shell Scripting, MySQL, 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

Spoken Languages: Native in Hindi and Tamil