

# AASHIMA ARORA

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## EDUCATION

**The University of Texas at Austin**, Austin, TX Aug 2024 - Present  
Master of Science in Artificial Intelligence

**Imperial College Business School, Executive Education** Sept 2023 - April 2024  
Professional Certificate in Machine Learning and Artificial Intelligence

**Columbia University**, New York City, NY Sep 2016 - Feb 2018  
Master of Science in Computer Science (Machine Learning Track), GPA: 3.74/4.0  
*Relevant Coursework:* Deep Learning for Computer Vision, Machine Learning, Modeling Social Data, Programming Languages and Translators, Cloud Computing and Big Data.

**Guru Gobind Singh Indraprastha University, Delhi**, New Delhi, India Sep 2009 - May 2013  
Bachelor of Technology in Information Technology

## WORK EXPERIENCE

**Software Development Engineer IV** March 2018 - Present  
**Adobe**, San Francisco, CA

- Contributed to the development of Adobe Dimension (now Substance Stager) by building expertise in geometry processing algorithms and 3D graphics.
- Created customizable basic 3D models (such as cubes, planes, cylinders, cones, tori, and spheres) to facilitate bespoke geometries using C++, Eigen, and JS
- Boosted MAU (monthly active users) of Adobe Dimension by approximately 61,000 and expanded the user base
- Led integrations of external libraries (Adobe content authenticity initiative, OpenImageIO, ffmpeg, analytics).

**Research Scientist Intern** May - Aug 2017  
**Adobe**, San Francisco, CA

- Created Quick3D, a web application that converts human sketches into 3D models using machine learning, using Python, Keras, WebGL, Flask, and HTML5
- Presented Quick3D at Adobe MAX Sneaks'17 in Las Vegas, where it was featured as one of the top 11 sneaks

**Senior Software Engineer** Aug 2013 - Apr 2016  
**Altran (Formerly Aricent)**, Gurgaon, India

- Successfully secured the client Cavium for the Aricent proprietary fastpath accelerator application (FPA) team
- Earned the highest rating of extraordinary performer at Aricent for outstanding contributions to Cavium projects

## ACADEMIC PROJECTS

- **AI Dermatologist using CNN (Python3, numpy, scikit-learn, Pytorch)** April 2024  
*Imperial College Business School, Executive Education*
  - Trained a CNN network to diagnose skin conditions on the 20 skin diseases dataset.
  - Applied hyperparameter optimization techniques to find the ideal architecture.
  - Developed a tool to aid AI-driven dermatological diagnosis and patient care.
- **Claw4Twitter - Chrome Extension for Twitter (Python3, Flask, AWS Elastic Search)** Sep 2016 - Dec 2016  
*Course Project, Cloud Computing, Dr. Sambit Sahu*
  - Developed a chrome extension for hashtag recommendations, malicious tweet detection and sentiment analysis.

## TECHNICAL SKILLS AND RECENT CERTIFICATIONS

**Certificates:** Coursera - Deep Learning.ai and Imperial College, London (Linear Algebra, Multivariate Calculus)

**Languages/Libraries:** Python3, pytorch, pandas, numpy, scikit-learn, C++, Javascript