

# PURVI DOSHI

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## EDUCATION

**Fall 2015 - Spring 2019**  
Pittsburgh, PA  
(3.47)

### **Carnegie Mellon University**

**B.S Civil Engineering**

**Business Administration** (*additional major*) **Human Computer Interaction** (*minor*)

Coursework : Introduction to Accounting · Business Communications · Intermediate Microeconomics · Intermediate Macroeconomics · Calculus 3D · Differential Equations · Fundamentals of Programming and Computer Science · Introduction to Mathematical Finance ·

## PROJECTS

**Fall 2016**  
Pittsburgh, PA

### **AE Dreams - Screenless Smart Toys Startup**

**International Expansion - Target Market and Implementation Strategies**

Developed a portfolio detailing current and anticipated growth in promising markets (France) for AE Dreams. Devised localization strategies for translation, distribution, production, marketing, financing and legislation for target market.

**Spring 2016**  
Pittsburgh, PA

### **Synesthesia**

**Computer Application**

Programmed an application on Python, using OpenCV, PyAudio and PIL, that converts audio to an RGB array and an image to a sequence of tunes to enhance experiences for the disabled. Implemented using Object Oriented Programming.

**Spring 2015**  
Bangkok, TH

### **Exploring Methods of Numerical Solve and its Application**

**Research Paper on Mathematical Sciences**

Analysed algorithms of 'numerical solve'. Evaluated their algebraic reasoning and the accuracy and efficiency of their implementation in modern technology.

## EXPERIENCE & LEADERSHIP

**Fall 2016 - Present**  
Pittsburgh, PA

### **CMU Om - Cultural & Spiritual Organization**

**Vice President**

Organized large-scale campus wide events such as Diwali and Holi. Managed annual budget to accomodate effective PR, administrative and event expenditures.

**Fall 2016 - Present**  
Pittsburgh, PA

### **CMU Raasta - Classical Dance Team (National Champions 2016)**

**Production Manager**

Developed blueprints for stage design and performance gimmicks. Maintained inventory of resources. Allocated design budget in the purchase of properties.

**Fall 2015 - Present**  
Pittsburgh, PA

### **Freelance**

**Designer**

Designed advertising and publicity material such as banners, profiles, filters, websites and logos for businesses and organizations.

## SKILLS & ACHIEVEMENTS

### **Languages**

English · Hindi · Gujarati · French · Thai

### **Software & Programming**

Python · HTML · CSS · MATLAB · Adobe Photoshop · Adobe Illustrator · Adobe Dreamweaver · SpaceClaim · Microsoft Office · Access

### **Awards & Certifications**

Gold International Youth Award (Everest Base Camp) · PADI Openwater Diver ·