

# Navyata Bawa

## Software Engineer

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### EXPERIENCE

#### **Samsung NEXT**, Mountain View, CA — *Software Engineer*

MARCH 2018 - PRESENT

Working on building SDK and plugins for various platforms (Unity, iOS, Android) that allow developers to render cloud-based multi-user persistent AR experiences.

#### **DeepMotion Inc**, Redwood City, CA — *Gameplay and Pipeline Engineer*

JULY 2017 - FEB 2018

Worked as a software engineer for physics-based tracking and animation systems and creating plugins for a smoother pipeline between physics and game engines.

#### **Samsung Research America**, Mountain View, CA — *Engineering Intern*

MAY 2016 - DEC 2016

Prototyped gesture detection techniques for interactive displays in smart homes on various hardware platforms.

#### **Toshiba Software India Pvt Ltd**, Bangalore, KA — *Software Engineer*

AUG 2013 - JUL 2015

Worked on bug-fixing for C++ compilers - Full SDLC including design, development and implementing test plans.

### EDUCATION

#### **Carnegie Mellon University** — *Master of Entertainment Technology*

AUG 2015 - MAY 2017

#### **Manipal University** — *Bachelor of Engineering, ECE*

AUG 2009 - MAY 2013

### SKILLS

#### **Programming / Tools**

C++, C#, Unity3D, Algorithms and Data Structures, Computer Graphics

#### **Hardware platforms**

Oculus Rift, HTC Vive, Kinect, Leap Motion

### PERSONAL PROJECTS

#### **Game Engine Development**

Working on Nexus, a fully-featured Game Engine based on OpenGL

#### **Android App Development**

Designed, developed and published Mathmate on Google Play Store - Rated 4.9/5

### AWARDS

**Organizational Best Practice**, Toshiba

**Certificate of Merit 1st position in Autonomous Robotics**, Manipal University

**Certificate of Merit 2nd position in Autonomous Ground Vehicle**, IEEE, Manipal