**IFT 554: MIDDLEWARE PROG & DATABASE SEC (2023 FALL)**

Dharun Prasanth Dhandapani

M.S Information Technology

Arizona State University

**Module 8 Activity 2: Closing the last loophole HTTPS.**

Prof. Dinesh Sthapit

December 01, 2023

**Generating an SSL certificate and key using the openssl command line tool on Mac iOS:**

**A computer screen with a black screen and white text

Description automatically generated**

**Verify that the files were generated correctly by running the following commands:**

**A screenshot of a computer screen

Description automatically generated**

**Files from the OpenSSL Bin directory to the Project Room Folder:**

**A screenshot of a computer

Description automatically generated**

**Server.js file:**

**A screen shot of a computer

Description automatically generated**

**A screen shot of a computer

Description automatically generated**

**Starting the API server:**

**A screenshot of a computer

Description automatically generated**

**Proceed to localhost as shown below:**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**Without //https:**

**A screenshot of a computer

Description automatically generated**