SUMA RAO

5601 West Loop South, Houston, TX 77081 • 713-718-2066 • suma.rao@hccs.edu

EDUCATION

- MS Computer Science, University of Houston at Clear Lake, Houston, TX — 1996
- BE Electronics Engineering, Bangalore Institute of Technology, Bangalore, India — 1992

TEACHING EXPERIENCE

- **Faculty, Digital & Information Technology Department, Houston Community College, Houston, TX** — **2003 – Present**

Courses Taught

Course	Years
COSC1437 - Programming Fundamentals II (Python)	2020 – Present
COSC1436 - Programming Fundamentals I (Python)	2019 – Present
COSC1436 - Programming Fundamentals I (C++)	2006 – 2020
COSC1436 - Programming Fundamentals I (Swift)	2018 – 2019
BCIS1305 - Business Computer Applications (Z-Degree)	2017 – 2019
BCIS1305 - Business Computer Applications (Master)	2004 – 2019
COSC1436 - Programming Fundamentals I (Java)	2011 – 2016
ITSC1309 - Integrated Software Applications	2013
ITSE2357 - Oracle 9i Database Administration II	2003 – 2005
ITSE2356 - Oracle 9i Database Administration I	2003 – 2005
ITSE1302 - Introduction to Computer Programming	2003 – 2004
ITSE1345 - Introduction to Oracle SQL	2003 – 2004

Responsibilities Accepted

- Development of COSC1437 (Python), COSC1436 (Python, C++, Java, and Swift), and BCIS1305-Master/Z-Degree course materials
- Development of COSC1436 canvas course template
- Development of standardized test for COSC1436 (C++, Java, and Python) courses
- Preparation of computer programming degree and level 2 certification curriculum
- Selection of textbook for BCIS1305 and COSC1436 (C++ and Python) courses
- Administration of software training tool (MyLab IT) for BCIS1305 master course
- Transition of BCIS1305 master and COSC1436 (C++ and Java) courses across various LMS
- Coordination of departmental online final exam
- Proctor of industry certification exams
- Mentorship of adjunct and new faculty
- Participation in employment screening and grade appeal committees
- Engagement in professional development
- Involvement in college/community activities and events
- Provision of academic advising to students

Industry Certifications

Certification	Years
Microsoft Technology Associate (Python and C#)	2017
Microsoft Office Specialist (Core)	2005 – 2017
Microsoft Office Specialist (Expert)	2017
Oracle Certified Professional (9i)	2005

INDUSTRY EXPERIENCE

- **Software Engineer, USA/Boeing/Cimarron (NASA sub-contract companies), Houston, TX** — **1994 – 2000**
  Involved in software development life cycle of space shuttle programs using C, C++, and X-Windows on UNIX platforms.