

Mandar H Salunkhe

8125 48th Avenue, APT 615, College Park, MD 20740 | mandarhs8@gmail.com | +1 (240) 758 1157 | [linkedin.com/in/m-s10](https://www.linkedin.com/in/m-s10)

EDUCATION

University of Maryland, College Park
MS in Telecommunications Engineering
CGPA – 3.0

College Park, MD
Expected, May 2018

Mumbai University
Bachelor of Engineering, Electronics and Telecommunications
CGPA - 7.1/10

Mumbai, India
May 2016

RELEVANT COURSES

- | | |
|-------------------------------------|---|
| 1. Networks and Routing Protocols | 2. Network and Application Performance Analysis |
| 3. Telecom Marketing Management | 4. AWS/PCS System Implementation |
| 5. Internet and Voice Communication | 6. Object Oriented Programming |

PROJECTS

Java application for data transfer between Client and Server using UDP

Implemented source codes in Java for port to port communication between Client and Server making use of a wide range of classes and their methods to achieve data transfer with Integrity Check and Retransmissions

College Park, MD
Nov 2016

AWS/PCS antenna deployment using Mentum Planet

Configured and Simulated numerous individual antennas using GSM and LTE technologies with respect to power, height, angles and tilts and placed them in the Washington D.C Downtown and Metro areas for analysis

College Park, MD
Oct-Nov 2016

Wireless Notice Board using PSoC 4 Bluetooth Low Energy

Designed Wireless transmission of custom notices through an Android app for predefined notices corresponding to HEX numbers, displayed on a 16x2 LCD screen interfaced with PSoC BLE using Mbed C

Mumbai, India
Jul 2015-Apr 2016

Summer Industrial Training

Minor projects with ARM embed (Platform – Freescale FRDMKL25Z),
Certified by ARM
Minor Projects with Cypress Programmable System on Chip (PSoC4),
Certified by ARM

Mumbai, India
July 2015

Binary Amplitude Shift Keying(BASK) Transmitter

Developed an RC oscillator and soldered it on a PCB with an IC 4051 for multiplexing purpose and thus demonstrated a BASK transmitter, modulating a Sinusoidal input by a random bit stream of 1s and 0s

Mumbai, India
Feb-April 2015

CERTIFICATIONS

- | | |
|---|-----------|
| 1. Troubleshooting Your Network with Wireshark (Lynda.com) | Jan 2017 |
| 2. Foundations of Networking (Basics, Media – WAN, Protocols and CLI tools) (3 courses) (Lynda.com) | Jan 2017 |
| 3. Python 3 Essential Training (Lynda.com) | Oct 2016 |
| 4. ARM University Program Training Course on Embedded System Design and Programming (ARM) | July 2015 |

TECHNICAL SKILLS

Networking: TCP/IP Protocol Stack, OSI Model, DHCP, DNS, OSPF, RIP, EIGRP, BGP4
Programming: Java, Python, Socket programming, C and Mbed C(Basic), HTML and CSS(Basic)
Experience with Cisco Packet Tracer, Excel Analytic Solver, MATLAB, Proteus, EagleCad, PSpice, ORCAD
Exposure to PSoC Creator IDE, ARM Mbed, Ubuntu, WireShark, Riverbed Modeler

CONFERENCE AND PRESENTATIONS

Published and presented a paper on Implementation of Wireless Noticeboard using PSoC4 BLE in the IETE state level project competition, DJ Spark

Mumbai, India
April 2016

WORK EXPERIENCE

Student Assistant Bookseller at University Book Center (Barnes & Noble) , University of Maryland
Lighting Technician at The Clarice Arts Performance Center, University of Maryland

Aug 2016-Present
Jan 2017-Present