SCHOLASTIC ACHIEVEMENTS

- **99.68** percentile in **GATE** in Electronics and Communication among **1,52,318** candidates *(2016)*
- Secured an all India rank of **7578** in **AIEEE** *(2012)*
- 3rd runner up in **national level** abacus competition by SIP-INDIA *(2008)*

MAJOR PROJECTS AND SEMINAR

- **M.Tech Project: OpenFlow Router with eBPF Forwarding Engine** *(May'19 - Present)*
  Guide: Prof. D. Manjunath, IIT Bombay
  - Using POX controller to communicate with OpenVSwitch via **OpenFlow** protocol.
  - Using **eBPF in kernel space** as backend for fast packet forwarding, and less number of packet copies.
- **Seminar: Open Source Router** *(Jul'18 - Dec'18)*
  Guide: Prof. D. Manjunath, IIT Bombay
  - **Studied** Click Modular Router, Extended Berkely Packet Filter, Network Processor Architecture and Software Defined Networking (SDN) and **implemented** a basic version of Click modular router, to work as an Ethernet switch.

WORK EXPERIENCE

- **Software Developer** | *Nykaa* *(Jun'16 - Jul'17)*
  - Involved in development of product listing, search, and checkout domains of the website.
  - Closely worked with marketing team to strategically place tracking tags at numerous locations of the website.
- **Teaching Assistant: Communication Networks** | *IIT Bombay, IIT Dharwad* *(Jan'19 - Apr'19)*
  - Created and evaluated **7** lab experiments, based on **socket programming**.
  - Work also involved **traveling**, setting up lab experiments and evaluations at **IIT Dharwad**.
- **System Administrator** | *Electrical Department, IIT Bombay* *(Jul'17 - Present)*
  - Development of EE department website, Dashboard, and maintaining numerous portals.
  - **Automation** of admission process through web based services and **Bash Scripts**

KEY COURSE PROJECTS AND SEMINAR

- Simulation of **Cellular system** in MATLAB | *Wireless and Mobile Communications* *(Jan'18 - Apr'18)*
- Different Scheduling Schemes in **LTE** | *Wireless and Mobile Communications* *(Jan'18 - Apr'18)*
- Basic **Image Editor** | *Image Processing* *(Jul'18 - Nov'18)*
- Image **Dehazing** through Depth estimation | *Image Processing* *(Jul'18 - Nov'18)*
- House sale status **classification** | *Introduction to Machine Learning* *(Jan'18 - Apr'18)*
- Implementation of **DBSCAN** Algorithm from scratch | *Introduction to Machine Learning* *(Jan'18 - Apr'18)*

KEY COURSE PROJECTS AND SEMINAR

Languages	:	C, C++, Bash Scripting, HTML, Javascript, jQuery, PHP, Python
Tools	:	Matlab, GNU Radio, LaTeX, Git, Wireshark

RELEVANT COURSES

- Digital Message Transmission
- DSP and its Applications
- Introduction to Machine Learning
- Wireless and Mobile Communications
- Image Processing
- Applied Linear Algebra
- Information Theory and Coding
- Statistical Signal Analysis
- Communication Networks

OTHER ACTIVITES & INTERESTS

- **Volunteered** for **Python** workshop by PGAC, IIT Bombay *(Oct'18)*
- **Volunteered** for **Linux** workshop for Electrical Department PG Bridgecourse, IIT Bombay *(Jul'19)*
- **Hobbies**: Watching TV series, solving puzzles, chess, snooker