Anuraag Tummanapally

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Examination	Institute	Year	CPI/%
M.Tech in Communications & Signal Processing	IIT Bombay	2020	9.48
B.Tech in Electronics & Communication Engineering	NIT Nagpur	2016	9.02
Intermediate ($+2$) MPC (BIE-AP)	Narayana Junior College, KPHB	2012	92.8
10th Class (CBSE)	Bharatiya Vidya Bhavans Public School, BHEL	2010	9.0

SUMMARY

Competent engineer with a constant drive to work on challenging and interesting problems, possessing excellent academic background. A team player who can turn out to be a great resource for the team.

WORK EXPERIENCE

- **Senior Software Engineer** | *Texas Instruments, Bengaluru*   (*Jul'20 - Present*)
  - **Ownership** for **OTP Key writer** software for multiple SoCs
  - Worked on TI's security software for **Jacinto** and **Sitara** class of Processors
    - J721e, J7200, AM64x, AM62x
  - Software lead and point of contact for **Security Audit**
  - Involved in **wakeup** of AM62x (system firmware team)
  - Worked on Embedded security software, driver configuration, software integration, unit/integration testing of software
  - Improved **documentation** for the software offering
  - Created a web based interactive tool/game to better illustrate concepts of **firewall in TIFS**

- **System Administrator** | *Electrical Department, IIT Bombay*   (*Part Time: Jul'17 - Jun'20*)
  - **Development** of EE department website, Dashboard, and maintaining numerous portals like faculty search committee, meeting room booking system, faculty wiki pages, and TA allotment portals.
  - Provide mail service, storage space, computing, and network facilities to the Department.
  - **Automation** of admission process through web-based services and **Bash Scripts.**

- **Teaching Assistant: Communication Networks** | *IIT Bombay, IIT Dharwad*   (*Part Time: 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**.

- **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.

OTHER PROJECTS

- OpenFlow Router with eBPF Forwarding Engine | *M.Tech Project*   (*May'19 - Jun'20*)
- Open Source Router | *M.Tech Seminar*   (*Jul'18 - Dec'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*)
- 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*)

TECHNICAL SKILLS

Languages	:	C, C++, Bash Scripting, HTML, Javascript, jQuery, PHP, Python
Tools	:	Matlab, GNU Radio, LaTeX, Git, Wireshark, CCS, Lauterbach, Zebu, Qt, Teraterm, Bitbucket, Confluence

LEADERSHIP

- Currently **mentoring an intern** for the team, at Texas Instruments
- PG Bridge Course **Overall Coordinator**
- Institute **Student Companion** (Mentored 7 M.Tech students)

OTHER ACTIVITIES & INTERESTS

- **Won** cash prize at work in a contest to mimic **wordle** game with words from semiconductor industry
- Took positions as web secretary for Hostel, PG Academic Council & Student's reading group at IITB
- **Volunteered** as instructor for **Python** and **Linux** workshops at IIT Bombay
- **Hobbies**: Love solving puzzles, playing chess, snooker, and binge watching on OTT platforms