DILIP TEJA

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EDUCATION

School of Computing and Information, University of Pittsburgh — **Pittsburgh, PA**
Pursuing M.S in Computer Science — *Jan 2023 – present*

National Institute of Technology, Warangal — **Warangal, India**
Bachelor of Technology in Electronics and Communication Engineering - 7.4/10 — *Jun 2016 – May 2020*
Relevant Coursework *Data Structures and Algorithms • Computer Networks • Computer Architecture and Organization • Object-Oriented Programming • Probability Theory*

TECHNICAL SKILLS

Programming Languages:	Python, C, C++, JavaScript
Web Technologies:	Django, Python Flask, HTML/CSS, Ajax, JSON, PostgreSQL, MongoDB
Developer Tools:	Linux internals, VS Code, Jupyter Notebook, Pycharm, Google Colab
Technologies/Frameworks:	Linux Kernel, Keras, Git, GitHub, Docker

WORK EXPERIENCE

Qualcomm India Private Limited — **Hyderabad, India**

Software Engineer — *Dec 2021 – Dec 2022*
- Responsible for **Linux Kernel** validation of Qualcomm's IoT chipsets and was part of more than 4 product releases.
- worked on concepts of **python**, **OOPS** and **Design Patterns** to develop and maintain the automation framework.
- Lead a business critical project to develop a robust framework (CBT) which improved the test efficiency by 40% .
- Built using python libraries and **MongoDB REST API** hosted on Docker for the database connection.

Associate Software Engineer — *Jun 2020 – Nov 2021*
- Developed an internal web portal with 100+ active users which improved data analytics and onboarding capabilities.
- Built using **Django** for backend and **HTML/CSS, JavaScript** for the frontend and deployed using Apache server.

Interim Engineering Intern — *Apr 2019 – Jun 2019*
- Explored various internal projects and software development cycles.
- Developed an automation for nightly trigger of huge test suites which improved the resource utilization by 30% and complimented it with an admin driven web app with data storage and retrieving capabilites.

Indian Institute of Science, Bangalore (IISc) — **Bangalore, India**

Research Intern — *Apr 2018 – Jun 2018*
- Explored Transfer Learning and its applications. Tried to apprehend ML models and their results.
- Trained a ResNet model with augmented data for detecting and classifying gender and age.

PROJECTS

Underage Kids Identification | *Deep Learning, Keras* - **Github link** — **Aug 2018**
- Developed a Compact Stagewise **Regression Network** and Face Recognition using **Incremental Classifier**.
- This model detects or recognizes underage kids to prevent them from performing restricted activities.
- Performed fine-tuning of a pre-trained model with augmented data and could achieve around 89% accuracy.

Online Voting System | *Blockchain* — **Oct 2019**
- Developed Blockchain and implemented **Smart Contracts** for voting in elections to prevent malpractices.
- Accomplished as part of Microsoft CodeFunDo++ competition and secured **second place** across the college.

ACHIEVEMENTS

- Recipient of "Orion Insta Award" from Senior Director at Qualcomm for outstanding contribution and efforts. 2021
- Three time recipient of "Passionate Executor Award" at Qualcomm for driving execution within deadlines. 2021
- Achieved **All India Rank 602** in IIT-JEE Mains among over 1.2 million candidates. 2016
- Secured **State Rank 512** in TS-EAMCET organized under Ministry of HRD, **Govt. of Telangana**. 2016
- Professional Badminton Player, participated in state level tournaments. 2012 - 2019

LEADERSHIP

National Institute of Technology, Warangal — **Warangal, India**

Inter-NIT Championships — *Jun 2018 - Jun 2020*
- Led college Badminton Team as a captain to quarter-finals.

Batch Representative — *Aug 2019 - Mar 2020*
- Represented the ECE Class of 2020 in the Department UG Council and other department events.

Sponsorship and Public Relations Sub-Coordinator — *Aug 2018 - Mar 2019*
- Responsible for organizing the college's cultural festival 'Spring Spree' and dealing with various sponsors, notably Harvard Ascend and GameRoom.