

Summary: Research student with major in networking domain working on 5G Testbed and minor in machine learning. Also have 24 months industry experience as a software developer in NEC Technologies.

Research Experience	
M.Tech Research Assistant – IIT, Hyderabad	July, 2018 - Present

Relevant Academic Projects	Project Brief	Field
<u>Indigenous 5G Test Bed (Building an end to end 5G Test Bed) in India</u> (Ongoing)	<ul style="list-style-type: none"> It is a research project, we are proposing a caching framework at edge of mobile network to lower the latency for user. Mobile Edge Computing Server will have multiple services to serve the users. Currently, we are implementing MEC with existing 4G OAI testbed. We are using OAI based architecture for testbed simulation. 	Open Air Interface (OAI)
<u>Smart Robotic Weeder</u> (Completed)	<ul style="list-style-type: none"> We created a Smart Robotic Weeder which will help farmers to remove weed without human intervention. We have used Deep learning Neural Network(DNN) for image classification. We have used Raspberry Pi module and Pick and Place Robot with camera sensors for developing functional Weeder. 	DNN/IOT

Work Experience	
Software Developer – NEC Technologies India Pvt. Ltd.	12th July'16-30th Jun'18
Key Responsibilities	<ul style="list-style-type: none"> Understanding the UI/UX requirements and providing optimal solution. Actively involved in discussions for product development.

Relevant Industrial Projects	Project Brief	Field
<u>Digital Fertilizer For TOYO</u> (Jun'17 –Jun'18)	<ul style="list-style-type: none"> Digital Fertilizer was a Japan based project, it was a real time data visualisation for multiple plants located at different areas of Japan using multiple components of Predix. Developed multiple functional screens using Predix components and Polymer.js. Developed error free code with unit and functional test cases. 	Data Visualization
<u>DVToolL</u> (December'16 –Jun'17)	<ul style="list-style-type: none"> DVToolL is a Data Visualization tool, It extracts meaningful data with respect to user and represents it in the best possible visual presentation in the form of charts/graph etc. Developed Angular.js templates for business problem. Developed multiple CSS themes for Tool. Worked with MySQL database for extracting meaningful data. Developed error free code with unit and functional test cases. 	Data Visualization

Technical Skills

- **General Programming Languages :** C, C++, Python, MATLAB.
- **Web Development Languages :** HTML, CSS, Angular.js, Sass.

Roles and Responsibilities

- Coordinator of PDP (Personality Development Program) in INCORD'15 of CSE Department, HBTI, Kanpur.
- Cultural Head of INCORD'15, CSE Department.
- Coordinator of Singing in INCORD'15, CSE Department.
- Coordinator of Informal Events in ODYSSEY 2K14 (inter college fest) of HBTI..
- Secured 1st position in Group Dance in GENESIS'14 in HBTI.

Academic Achievements

- District Topper in Senior Secondary UP Board examinations with an aggregate of 86% in Varanasi District.
- School Topper in High School UP Board examinations with an aggregate of 80.5%.

Academic Qualifications

Year	Degree	Institution	Board/University	%/GPA
2018	M.Tech	Indian Institute Of Technology, Hyderabad	Autonomous Govt.	Pursuing
2016	B.Tech	Harcourt Butler Technological University, Kanpur	Uttar Pradesh Technical University	78.2%
2011	XII	RMKBIC, Varanasi	Uttar Pradesh Board	86%
2009	X	Saraswati Vidya Mandir, Varanasi	Uttar Pradesh Board	80.5%

Hobbies and Interests

Singing, Dancing, Playing Table-Tennis

Personal Details

Name	Jyoti Tiwari
Date of Birth	4th March 1994
Languages	English, Hindi
Strength	Problem Solver, Diligent, Determined and Ambitious
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