Prajjval Mishra

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Summary

A well-rounded engineering professional in product development, manufacturing design, & project management in mobile sector. I collaborate closely with engineering experts and original equipment manufacturers around the world to evaluate their existing processes and to develop new products. I have a keen interest in traveling the world to engage with professionals from diverse backgrounds and industries with an aim to have a better understanding of policy and product development. I work in OPPO mobiles India Pvt. Ltd as Product Engineer with experience in process engineering and New Product Introduction Engineering in mobile brands such as OnePlus, Realme and Oppo. During my college I was founder of WAGH Robotics, Marketing Head of Plades Innovation and Motivational Speaker. My previous background, both living and working, has given me tremendous experience in dealing with people and developing networks for information flow.

Work Experience:

OPPO Mobiles India Pvt. Ltd.   **(12-February-2020)**
Process Engineer in Surface Mount Technology (SMT) Department at OPPO Mobiles:
Mainly work responsibility:

- R&D on the small scale related to used technology, Model management, Process management, engineering analysis tools.
- For product lifecycle management & ensuring quality I have been worked as model in-change of model Oneplus5, Oneplus5T, oppoF1s, A37f, A57, F3, F3Plus, A83, F5 etc.
- We verify & validate our product during mass production for supreme quality for our customers.
- Keeping Track of Software issues Faced during Mass Production, Taking logs, sharing it with China Software team and making sure software team provide solutions within target time frame so that Market Product dispatch can take Place on time.
- Working with distributed work force of China & Indonesia, coordinating with multiple department's like- Software Development, OPPO PMC, SQA, QA, and IE& Production.
- Daily Tracking of Quality issues, preparing Quality reports and presentation with facts and Data everyday with Management Team.
- Worked on industrial platform; My Office(MO), MES & ERP Solder-paste printing machine- worked on the Fuji momentum, how to control printing offset, less solder issue and avoid bridging.
- Picking and Placing machine- worked on NXTIII and NXTIIIs mounters
  a. Solving online errors to improve the efficiency.
  b. Making part image in different VT's for the better placement to improve the quality.
  c. Worked on different types of head and their functions to reduce the material losses
- Reflow oven machine: worked on BTU international, learned about the basic architecture of BTU and how the soldering process occurs inside the oven.

New Product Introduction (NPI) Engineer in SMT Department at OPPO Mobiles:
Mainly work responsibility:

- Stabilization of model within time limits
- Stencil Modifications and Methods to improve soldering
- Solving different soldering issues and working on the preventive measures that can be taken against them

- Material management ,Backend PCB fail management regarding the issue related to it and solving them , Why-Why analysis
- Regular meetings with China R&D team and manufacturing team for better quality product.
- Team management for better tracking of NPI models
- Worked on NPI models of Realme, Oppo and OnePlus.
- Worked on total 19 NPI and also dealt with7 NPI on a single time frame

Education:

Graphic Era Deemed to be University (Dehradun)
Bachelor of Technology in Electronics and Communication Engineering (2016-2020) with 82.5%

Languages and Communication

English: Intermediate (Oral & Written)
Hindi: Advanced (Oral-multiple North Indian dialects stemming from Uttar Pradesh and Bihar; Written)
Interpersonal: Exceptional ability to liaise on multiple disciplines with diverse teams globally
Analytical & Methods: Standards and system design, failure modes analysis, product modification & testing, information synthesis
Judgment & Adaptability: Outstanding ability to judge developing situations for preventive measures and to assign appropriate resources for corrective actions as needed.

Technical Skills:

Software:
IntelliJ IDEA –Software for android app development, CAM350-Software for stencil Design/modification, MATLAB (Basics), Cadence Virtuoso- Software for PCB designing, Android Studio–Software for android app development, PSpice, Cisco IOT Software, Xilica Audio/Visual software.
Certifications:
Business Analysis from Project Management Institute, Dante Certification Beginner and Advance Level, Shure Networking for AV Basics, Shure Networking for AV Professionals, Business Communication Skill Internshala
Hardware:
Arduino, Impedance analyzer for research in the field of MEMS sensor and actuators
Technology:
Internet of things (IOT): Home automation and automated car parking.
Stencil Designing Using CAM350 and basics of Altium for PCB designing
Machine:
NXT III, NXT IIIs, PARMI 3D inspection, MPM Solder paste printer and BTU International Reflow machine.
Machine Software:
Flexa Director- Used for programming Flexa program, M-Edit, Fuji Flexa accessories, Benchmark, SPI 3D manager.

Internships and Activities:

Pink Noise Professionals Pvt. Ltd   **(2019)**
During my third year, worked on government project titles -"Supply, Installation and Commissioning of Audio/Visual and Video Conferencing System at Board Room and Conference at Telecommunications Consultants India Limited (TCIL), Bhawan Delhi".

The project was intended to provide complete Audio Visual Conference System with local sound reinforcement in conference room in TCIL, Bhawan. Project included Wireless Conference Microphones of YAMAHA Brand (JAPAN), Digital Signal Processor of Xilica Brand (CANADA) and Speakers, amplifiers of WORK PRO Brand (Spain).

Internship at BSNL (Bharat Sanchar Nigam Limited) **(2018)**

During my second year got to work with government organization BSNL where I worked on different networking platforms and worked on maintaining local area network, wide area network, metropolitan area network an how to establish 3G,4G,5G in a network.

Co-Founder of WAGH Robotics **(2018)**

In my second year started my club WAGH Robotics for betterment of students to understand and to demonstrate theoretical knowledge in practice and represent college for national and international events in robotics. Won several prizes from colleges such as IIT Roorkee, Dehradun Institute of technology. Participated in international event and national events and were only one club from uttarakand to qualify for international and national events.

Subject Matter Expert at Chegg.In **(2017)**

Start of second year joined an internship program to provide solution to problems raised by students and clear the doubts for their enhancement to a particular subject and also to make my core strong.

Strengths:

- Flexible, Adaptive and Self-motivated person
- Quick learner with time management skills
- Convincing skills
- Communication and presentation skills
- Creative thinking and problem-solving skills

Extra-Curricular Activities:

- Active Participation in ROBOTICS Workshops and Co-founder of WAGH Robotics.
- Organizer of Arduino Workshop held in GEU.
- Attended Workshop on Texas Instrument.
- Attended Workshop on IOT Integration Design Program.
- Researched on MEMS, Electric Paint and Effective Battery.
- Coca Cola Youth Speaking

Achievements:

- Scored highest in my probation in OPPO
- First person to publish document from Oppo India Factory on their online platform
- Secured first position in Robochamps at M.I.E.T(Meerut Institute of Technology, Meerut)
- Secured first position in Robowar at D.I.T(Dehradun Institute of Technology, Dehradun)
- Secured third position in Armageddon Event at IIT Roorkee(Indian Institute of Technology, Roorkee)
- Got selected for National Event of Robotics at VJTI Mumbai(Veermata Jijabai Technology Institute, Mumbai)
- Got selected for Internal Event of Robotics at IIT Mumbai(Indian Institute of Technology, Mumbai)