DEEPIKA SHARMA

Electronics & Communication Engineering
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CAREER OBJECTIVE

To work with an organization that provides me an opportunity to grow my potential to excel in the area of my preview so to help the organization.

WORK EXPERIENCE

Pyrotech Electronics Pvt. Ltd. Unit-II, Udaipur — R&D Engineer
(from June 2018 – March 2020)
Designed a Product in Medical System and Completed Projects using Raspberry Pi , Arduino and worked on different types of sensors.
R&D in Projects according to requirements.

Mirae Robotics, Udaipur — Trainer
(from July 2017 - April 2018)
Mentored Trainees in their Projects.

Oyaa Technologies Pvt. Ltd., Udaipur— Trainee
(from Dec 2016 - May 2017)
Learned about Serial communication, Node js , Raspberry Pi and IOT.

ACADEMIC QUALIFICATION

- **M. Tech. (2020-2022)** From College of Technology and Engineering (CTAE), MPUAT, Udaipur with 8.18 OGPA till 3th semester.
- **B. Tech. (2012-2016)** From JIET School of Engineering and Technology for Girls, Jodhpur affiliated to Rajasthan Technical University, Kota with 76.68% aggregate till 8th semester.
- **Sr. Secondary (2012)** From SH Sumer Senior Sec School (Rajasthan Board of Secondary Education) with 76.02%.
- **Secondary (2010)** From Dave Bal Vikas Kendra Sec School (Rajasthan Board of Secondary Education) with 85.33%.

TRAINING/ WORKSHOPS

- **Organization:** **Regional Remote Sensing Centre-West NRSCC/ISRO Jodhpur**
  Title of the Project: Soil Fertility Mapping Using Geospatial Techniques
  Duration: 2 months

- **Organization:** **Defence Research And Development Organization (DRDO) Jodhpur**
  Title of the Project: RF (Radio Frequency) Modules
  Duration: 2 months

- **Organization:** **Bharat Sanchar Nigam Limited, Jodhpur**
  Title of the Project: For Sliver Certified ,Gold Certified ,Platinum Certified
  Duration: 1.5 Year

PROJECTS UNDERTAKEN

- Working on the major project "Industrial Conveyor Belt Control System" which basically comes under the field of Automation in B.tech.
- I have done my research work in "Development of an improved and efficient weed detection technique in agriculture: a neural network based approach" which basically comes under the field of Machine Learning in M.tech.

CONFERENCE AND PUBLICATIONS

- Presented a paper on "The revolutionary current measurement paradigm:The MOCT (Magneto Optic – Current Transformer)" and "The Recent Trends in Power Grids: FACTS (Flexible AC Transmission Systems) in ETRASECT'15 (2015).

- Development of Neural Network Based Algorithm for Agriculture Product: A Research Review, International Conference (ICRAET-2022), **1**:10.

- Sharma, D. and Agrawal, N. 2022. Development of Modified CNN Algorithm for Agriculture Product: A Research Review. Jurnal Ilmiah Teknik Elektro Komputer dan Informatika (JITEKI), **8**: 167-174.

- Sharma, D. and Agrawal, N. 2022. A Novel Classification Model For Weed Detection Based on VGG16. Convolutional Neural Network. Mathematical Statistician and Engineering Applications (Scopus Indexed)

SOFTWARE SKILLS

- Matlab,Python
- Documentation Tools : MS-Word, MS- PowerPoint, MS-Excel

PERSONAL DETAILS

Date of Birth: 24 August 1995
Language known : Hindi, English & Local.