Om Prakash Singh

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WORK EXPERIENCE

- **Associate Engineer** in **L&T Technology Services Ltd** (Sep 2018 to till date)
  Role: System Validation Engineer at SanDisk
    - Design test plans, scenarios, scripts, or procedures.
    - Responsible for protocol testing for NVMe devices based on 1.3
      spec. Test case development using Python.
    - Hands on experience with analyzing PCIe traces using Lecroy Analyzer and Exerciser. Hands
      on experience with Oakgate and experience in test case development.

- **Graduate Research Assistant** (July 2016 to May 2018) at **National Institute of Technology Durgapur**
    - Supervised undergraduate students working on research projects.
    - Supported department members with administrative, research and academic assistance.
    - Researched on Topic "Road Anomalies detection using smart phone sensors". It was a
      Government project with collaboration of IIT Bombay, IIT Kharagpur and NIT Durgapur.

ACADEMIC DETAILS

- **M.Tech** [2018] in **CSE** from **National Institute of Technology Durgapur**
- **B.E** [2015] in **CSE** from **Rajeev Gandhi Prodyogiki Vishwavidyalaya Bhopal**
- **12th** [2011] from **HCYIC, Ghazipur, U.P**
- **10th** [2008] from **Central Hindu Boys School Varanasi**

PROJECT DETAILS

- **NVMe Protocol Testing**
  Description:
    - Involved in testing of NVMe devices based on 1.3 spec with help of OakGate, Lecroy
      analyzer and Exerciser and Python Scripts.
    - Responsible for writing and execution of test cases developed in C and Python.
    - Analyzing PCIe traces with Lecroy analyzer and Lecroy exerciser.
  Duration: Jan 2019 – Present

- **Detection and classification of Road surface anomalies**
  Description:
    - Acquiring road surface data and then applying ML algorithms for detection and
      classification of different road surface events and classifying them based on the feature set
      obtained from data.
    - Collected accelerometer sensors data from Mobiles phones inbuilt sensors and then
      applying feature engineering and using Logistic regression to train the model for detection
      and classification.
  Duration: Aug 2017 – May 2018

SKILLS

- Python and C
- Test Suite Development using Python.
- Metaware Debugging
- FPGA Validation