Dushyant Kumar

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Webpage : www.zeroonehacker.me

EDUCATION

Indian Institute of Technology (BHU) Varanasi, India **2013 - Present**

Integrated Dual Degree (B.Tech. + M.Tech.) in Mathematics and Computing ***(Current CGPA: 9.13)***

B.N.S.D. Shiksha Niketan Inter College, Benajhabar, Kanpur, India **2013**

XIIth Standard, U. P. Board of High School and Intermediate Education ***91.8% (Percentile: 99.91)***

B.N.S.D. Shiksha Niketan Inter College, Benajhabar, Kanpur, India **2011**

Xth Standard, U. P. Board of High School and Intermediate Education ***89.67%(Percentile: 99.99)***

➔ Ranked 11th out of 3.5 million students in the board examination

SKILLS AND INTERESTS

- **Languages:** C, C++, Python, Java, C#, Ruby.
- **Technologies:** Tensorflow, Keras, pyTorch, Cleverhans, MySQL, Eclipse, pyCharm, Android Studio, ROS, Gazebo, Raspberry Pi, Git, Mercurial, Visual Studio, Octave.
- **Web Technologies:** HTML, CSS, Ruby on Rails, Django, Flask.
- **Areas of Interest:** Deep Learning, Computer Vision, Machine Learning, Predictive Analytics, Artificial Intelligence, Robotics, Cloud Computing, Web Development, Application Development.

PROFESSIONAL AND RESEARCH EXPERIENCE

Mentor, Codementor **March 2017- Present**

- Helps professionals and students to write managed and efficient code.

Digital Analyst Intern, Accenture, India **May 2016 - July 2016**

Accenture, Bengaluru, India

Project: Large Scale Forecasting techniques for Supply Chain Optimization

- Introduced machine learning techniques (Recurrent neural networks) to replace the existing statistical models.
- Developed a framework to automate the forecasting of item availability in an inventory of a store for procurement of the item.
- The framework is now used by the organization for easier and more reliable forecasting results.

Machine Learning Intern, Xerox Research Center India, Xerox **December 2015 - January 2016**

XRCI, Bengaluru, India

Project: Predicting various complications in hospital admitted patients

- Built neural (LSTM) based online learning models for 16 various complications (Septic shock, CHF, Pneumonia etc.) for predicting complications before they occur.
- Currently, the models are used by the doctors to take proactive prevention measures for a particular complication.

Web application developer **February 2015 - July 2015**

IIT (BHU), Varanasi

- Developed various web application portals for institute purposes like PhD Admissions, discipline change, knowledge portal using django, Angular, JQuery, HTML.
- Managed Student information portal built on Ruby on Rails.

PROJECTS

Correctly classifying adversarial examples using Deep learning   **June 2017 - Present**

Supervisor: Dr. Santwana Mukhopadhyay, IIT (BHU) Varanasi, India

Review of deep learning approach against traditional approaches in recognizing characters from GSV images.

Supervisor: Dr. Santwana Mukhopadhyay, IIT (BHU), Varanasi   **January 2017 - April 2017**

Neural based retrieval conversational agent for short-text conversation

Bengaluru, India   **May 2016 - August 2016**

Navigation app for least polluted route   **January 2016**

Self project

Mortality prediction of ICU admitted patients

Supervisor: Vaibhav Rajan, Xerox Research Center India, Xerox   **August 2015 - October 2015**

Intelligent Quadcopter   **May 2015 - July 2015**

Design and Innovation Hub, IIT (BHU) Varanasi

Supervisor: Dr. K. K. Shukla

Data acquisition of ambient parameters using sensor array   **May 2014 - July 2014**

Design and Innovation Hub, IIT (BHU) Varanasi

Supervisor: Dr. Navin Singh Rajput

POSITIONS OF RESPONSIBILITY

Teaching Assistant for CSO-101, IIT(BHU) Varanasi   **January 2016 - May 2017**

Computer Science Department, IIT (BHU) Varanasi, India

Teaching Assistant for MA- 203, IIT(BHU) Varanasi   **January 2017 - May 2017**

Mathematical Sciences, IIT (BHU) Varanasi, India

DISTINGUISHED AWARDS, RECOGNITION AND ACHIEVEMENTS

- Secured **3rd position** in Xerox Research and Innovation Challenge 2015.
- Certificate awarded for securing the **highest marks in Mathematics** in High School Board examination.
- **"Mr. genius of Kanpur"** title was awarded by HBTI institute kanpur in 2012.
- Felicitated by Education Minister of Uttar Pradesh for academic excellence thrice.
- **Branch change** from Industrial Chemistry to Mathematics and Computing after securing first position in the branch
- Consistently maintaining **Department Rank 3.**
- **Top 10%** in world in Kaggle Transfer Learning on Stack Exchange Tags.
- Winner of Microsoft's App development hackathon **Microsoft Code.fun.do 2016.**
- Ranked **130** out of **~5400** participants in programming contest **Counter Code 2015.**

LINKS

Github: https://www.github.com/zero1hac

Hackerrank: https://www.hackerrank.com/zeroonehacke r