ANIMESH SHUKLA

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EDUCATION

Harcourt Butler Technical University, Kanpur   **Uttar Pradesh, IN**
B.Tech Information Technology   *Aug. 2017– present*
• **Cumulative GPA:** 8..0224/10.0 (absolute grade)
• Relevant Coursework: Data Structures, Operating Systems,Database Management System, Algorithms, Automata, Object Oriented Systems, Discrete Mathematics, Computer Architecture, Software Engineering, Computer Networks, *Java Programming: Solving Problems with Software (Duke University, Coursera).*

PROJECTS / WORK EXPERIENCE

Computer Visions and Biometrics Lab | IIIT Allahabad

Undergraduate Researcher   *May 2019 – Jul. 2019*
• Worked on a project **Image Colorization via Compression** using Deep Learning.
• Designed an autoencoder network (CNN) using Keras deep learning library of Python to colorize grayscale images and thereby   compress it.
• Achieved PSNR = 22.1 over 816 images of CIFAR-10 dataset.
• Further implemented research papers related to Image Compression & Colorization published in reputed conferences CVPR, IEEE.

MNIST Digit Recognition
• Designed a **Convolutional Neural Network (CNN)** to classify handwritten digits.
• Used data augmentation for improved accuracy.
• Achieved **99.54%** accuracy.

SKILLS & INTERESTS

• **Languages/Technologies**: Proficient in Java; familiar with Python, Javascript, RDBMS, HTML5, CSS, SQL, Matplotlib, NumPy, PIL, SciKit Learn, Keras and Tensorflow Deep Learning frameworks, Data Analytics, Data Visualization, Web Scraping (Beautiful Soup package); previously used C; Experienced with GitHub, Google Colab, Google Analytics, Linux, Front-End Web Development, designing convolutional neural networks.

• **Activities**: VEDIC OASIS FOR CULTURAL ADVANCEMENT & LEARNING (nonprofit university level club), Tech Events Coordinator in techno-cultural fest of university, Member of hospitality team in Literary Event, Former Member of Fraternity of Computer Science & Information Technologists (coding club of university)

• **Interests**: science and technology, Computer Visions, Deep Learning.

EXTRACURRICULAR

• **JPMORGAN CHASE & CO. VIRTUAL INTERNSHIP (2020)**
   -> Participated in JP MORGAN CHASE & CO. Software Engineering Virtual Experience Program
   -> Completed practical task modules in; *Establishing Financial Data Feeds, Frontend Web Development, Data Visualization with Perspective*
• **KPMG VIRTUAL INTERNSHIP (2020)**
   -> Participated in KPMG Data Analytics Consulting Virtual Internship Program
   -> Completed practical task modules in; *Data Quality Assessment, Data Insights, Data Insights and Presentation.*
• Secured **2nd rank** at university level (amongst first year students) in **JAVA quiz** organized by Decoder, HBTU Kanpur *in 2018.*
• Won **1st prize** in **Break The Code** organized by HBTU Kanpur in 2018.
• Qualified National Level Science Talent Search Exam- 2014 with an accreditation of **VERY GOOD** performance.
• Won **1st Prize** in Mary Ward Art Competition organized by St. Mary's Convent Inter College in 2009.