JAYENDRA KUMAR

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EDUCATION

Bachelor of Technology	Major in **Electrical Engineering**	Jul 2014 - Jun 2019
IIT Kanpur	Second Major in Mechanical Engineering	
	Minor in **Machine Learning & Applications**	
	Minor in **Algorithms**	

WORK EXPERIENCE

Software Development Engineer - II, Amazon   Sep 2021 - Present
Amazon Development Center, Bengaluru

· SDE-2 in DP-pinfo team of BuyX organisation which owns multiple features on the product Display Page of Amazon Retail Website.

· Work: Design and development of code flow/technology for new and alternate features on display page; maintenance of existing features on display page; experimentation of feature changes by planning A/B testing strategies.

Member of Technical Staff - II, VMware   Jul 2019 - Aug 2021
VMware, Bengaluru

· Back-end developer in the Migration team of VMware HCX: an application mobility platform designed for simplifying application migration, re-balancing workloads, and optimizing disaster recovery across data centers and cloud.

· Work: New feature development and code maintenance for HCX migration workflows.

· Technology used: Java, maven, MongoDB, Kafka, Zookeeper, Git, vSphere, VMC (VMware Cloud on AWS)

· Ownership: Bulk (vSphere Replication) migration and RAV (Replication Assisted vMotion) migration services.

· Leadership initiatives:
  - Supervised an intern undergoing 6 months internship from Jan'21 to Jul'21.
  - Conducted knowledge transfer sessions for all new hires in team from May'20 to Aug'21.

Machine Learning Intern   May 2018 - Jul 2018
Camp K12 (an ed-tech firm), Gurugram

· Research on NLP and Computer-vision solutions to improve the firm's product offerings, better target consumers.

· Designed and deployed an RNN based auto-tagger for the firm's mentor-match program and an auto-tagger for firm's Ethereum-queries forum.

RELEVANT PROJECTS

Visual Question Answering   Jan 2018 - Apr 2018
Academic project: Natural Language Processing

· A group project for answering questions based on a shown image; implemented via three different models: Joint embedding model with attention on image, Bayesian model and a novel generative deep-Bayesian model.

An Efficient Full-frame Video Stabilization based on Feature Matching   Jan 2018 - Apr 2018
Academic project: Modeling and Representation techniques for Images

· A project utilizing feature matching technique instead of mainstream optical flow technique for video stabilization.

LANGUAGES AND RELEVANT COURSEWORK

C, **C++**, Python, Java
Data Structures & Algorithms, Algorithms - II, Parallel Algorithms, Intro to Machine Learning, Intro to NLP

OTHER SCHOLASTIC ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

Secured **All India Rank 06** in NIFT B. ftech. entrance exam.	2014
Coordinator, Creative Cell, *Show Management, 51st Inter-IIT Sports Meet*	2016
Executive Design, *Cultural Council, Student Gymkhana, IIT Kanpur*	2015-2016
Webmaster, *Cultural Council, Student Gymkhana, IIT Kanpur*	2015-2016