Chandan Kumar - Curriculum Vitae

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r format(Sys.Date(), '%Y-%m-%d')
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My Curriculum Vitae

You can download a PDF version of my CV here.

/* import fonts */ @import url(‘https://fonts.googleapis.com/css2?family=Public+Sans:wght@300;400;500;700&display=swap’); /* all formats */ .cvdate { float: right; font-style: italic } .print-only { display: none; /color: aquamarine;/ } /* adapt stylesheet for print from: https://github.com/quarto-dev/quarto-cli/discussions/2538#discussioncomment-4081842 */ /* for page-breaks use style spans page-break-before: always; page-break-after: always; */ @media print { @page { size: a4 portrait; counter-increment: page; @bottom-center { content: counter(page) } } .no-print { display: none; } .print-only { display: block; } .contact-block { margin-top: 0%; text-align: center; } html { font-family: ‘Public Sans’, sans-serif; } header { margin-block-end: 5em; } header h1.title { display: none; } header .author { font-size: 1em; font-weight: 600; color: black; text-align: center; margin-block-end: 0em; margin-bottom: 0; text-transform: capitalize; } h2 { font-weight: 600; text-transform: uppercase; /* color: blueviolet; */ } h3 { font-weight: 500; text-transform: uppercase; /* color: green; */ } p { font-size: small; } ul li{ font-size: smaller; } a { text-decoration: none; font-weight: 500; color: #36a7e9; } } qmd from cv chandan@iastate.edu <!-- # Chandan Kumar --> <h2 id="contact-information">Contact Information</h2> Email: chandan1002@gmail.com LinkedIn: chandan1002 GitHub: chandan1002 <h2 id="education">Education</h2> <h3 id="iowa-state-university-usa">Iowa State University, USA</h3> Degree: Doctor of Philosophy (Ph.D.), Computer Science (Focus: Deep Learning, Computer Vision) Advisor: Dr. Ali Jannesari and Dr. Matthew Darr Graduation Year: May 2025 <h3 id="iowa-state-university-usa-1">Iowa State University, USA</h3> Degree: Master of Science, Computer Science Advisor: Dr. Ali Jannesari Graduation Year: Dec 2022 <h3 id="bit-sindri-india">BIT Sindri, India</h3> Degree: Bachelor of Technology in Computer Science (With Distinction) Graduation Year: June 2015 <h2 id="work-experience">Work Experience</h2> <h3 id="iowa-state-university">Iowa State University</h3> Position: Graduate Research Assistant Dates: January 2023 - August 2024 Description: <ul> Skills Used: Python, Pytorch, CUDA, bash scripts, slurm. Unsupervised Learning approach to Object-Detection. Developed fully unsupervised leaning based object detection algorithm using contrastive learning. Unsupervised Image retrieval. Developed algorithm to retrieve image using unsupervised learning. Scaling Unsupervised Learning algorithm to HPC(High Performance Computing).   <h3 id="hagie-manufacturing-john-deere">Hagie

Manufacturing (John Deere)</h3> Position: Data Scientist Coop Dates: January 2022 - January 2023 Description: <ul> President award winner for extraordinary performance. Skills Used: Alteryx, Ignition SCADA, Databricks, PowerBI, Microsoft Excel,AWS, RabbitMQ, Python, OpenCV, Pytorch.
  Using tools and techniques to perform Text Mining, ML models development for predictive analysis and automation and Computer Vision models. Design and develop project pipeline(Data Exploration, Sampling, Feature Engineering, Model Building, Field Performance Evaluation).   <h3 id="iowa-state-university-1">Iowa State University</h3> Position: Graduate Research Assistant Dates: January 2019 - December 2021 Description: <ul> Skills Used: CAN-Bus, Python, OpenCV, POE, Pytorch, ROS Developed real-time driver assist system for large farm-vehicles. Involved a system of 16 cameras, edge computing and image stitching to utilize the CAN protocols and integrate the mechanism to existing system. Real-time depth detection and analysis using stereo camera(s). Used stereo camera to develop algorithm that can perform real-time depth detection and calculate volume of objects from the drone.   <h3 id="iowa-state-university-2">Iowa State University</h3> Position: Graduate Teaching Assistant Dates: January 2017 - May 2019 Description: <ul> COMS 1060 (Introduction to programming using HTML5, CSS, PHP, SQL, JQuery, JavaScript). Responsible for helping students understanding concepts, clearing their doubts and grading assignments.   <h3 id="exlinductis-services-india-pvt.-ltd.">EXL(Inductis) Services India Pvt. Ltd.</h3> Position: Business Analyst Dates: February 2016 - December 2016 Description: <ul> Awarded Rising Star Award (1 of 6 awardees out of 37,000+ employees) Skills used: SAS, SQL, IBM-Netezza, DB2,Tableau, R, Python, Microsoft Excel. Utilized applications like SAS to identify trends and relationships between different pieces of data, draw appropriate conclusions and translated analytical findings. Created and worked on various reporting frameworks (Microsoft Excel, Tableau) that involved customer segmentation and clustering exercises for customers   <h2 id="skills">Skills</h2> Languages and Tools: Python, Java, OpenCV, Pytorch,CUDA, Databricks, Ignition, Alteryx, AWS, Jenkins, IoT, Git, Unix Web Technologies: HTML, CSS, React, AngularJS, NodeJS. <!-- ## Projects --> <!-- ### Project 1 --> <!-- - **Description:** Brief description of the project. --> <!-- - **Technologies Used:** List of technologies used. --> <!-- - ... --> <!-- ### Project 2 --> <!-- - ... --> <!-- ## Certifications --> <!-- - Certification Name 1 --> <!-- - Certification Name 2 --> <!-- - ... --> <h2 id="awardsgrants">Awards/Grants</h2> <h3 id="access-grant-supported-by-nsf-cis220069">ACCESS grant supported by NSF (CIS220069)</h3> Description: Develop algorithm for Unsupervised Object Detection. Position: Co-PI. Grant Amount: USD 174,000. <h2 id="professional-service">Professional Service</h2> <h3 id="invited-speaker">Invited Speaker</h3> Description: International 7-in-1 Symposium, CGC, Herning, Denmark. <h3 id="reviewer">Reviewer</h3> Conference: ECCV 2024. Conference: ICML 2024. Conference: ICLR 2024. Conference: NeurIPS 2023. Journal: Journal of AI Research (JAIR). Journal: River Publishers. <h2 id="professional-memberships">Professional Memberships</h2> IEEE IEEE Computer Society Cohere for AI <h2 id="attachments">Attachments</h2> <h3 id="resume">Resume</h3> Description: Click here to view my resume. embed: CVChandan.pdf </body> </html>