

# Kirtivardhan Singh

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Gurugram, Haryana, India

## SUMMARY

Full-Stack developer with ~3 years of experience in delivering solutions for the public sector; primarily for the states in the U.S. Proficient in JavaScript, Python, and Salesforce, with a strong background in deep learning and machine learning. Demonstrated success in leading cross-functional teams, optimizing processes, and driving technical innovation. Recognized for adaptability, collaborative mindset, and a commitment to continuous learning and professional development.

## EXPERIENCE

- Deloitte, Analyst I**

**Mumbai, Maharashtra [Dec 2022 – Present]**

  - Developed full stack solutions for US Public Sector clients using **Apex**, **Lightning Web Components (LWC)**, **React.js**, Salesforce, and JavaScript.
  - Designed and implemented **RESTful APIs**, enabling seamless integration between frontend and backend systems.
  - Accelerated project timelines by 60% by integrating Deloitte's in-house tool with Salesforce, saving 1,900+ developer hours weekly across a 15-member team.
  - Led a customer success initiative, resulting in a 48% increase in client satisfaction metrics and supporting multiple public sector projects.
  - Collaborated within agile teams, actively contributing to code reviews, continuous integration, and DevOps workflows using GitHub, Copado, and Bitbucket.
  - Served as cluster lead in Deloitte's non-profit program for two years and organized the 2024 Government Public Services AI Hackathon.
- VIPS-Technical Campus, Teaching Assistant**

**Delhi [Dec 2021 – July 2022]**

  - Assisted in the preparation and delivery of coursework for DSE-A (Data Science and Analytics) and DSE-B (Artificial Intelligence), supporting over 350 students.
  - Facilitated group discussions, workshops, and review sessions, significantly enhancing student engagement, and understanding of complex concepts.
  - Provided individualized tutoring, graded assignments, and exams, and supported technical troubleshooting for course tools such as Python and Jupyter Notebooks.
- INMAS, DRDO, Ministry of Defense, Machine Learning Research Intern**

**New Delhi, qDelhi [Nov 2021 – March 2022]**

  - Developed an end-to-end pipeline for real-time psycho-physiological signal processing on COTS microprocessor SoC hardware.
  - Collected and processed multi-modal signals (ECG, GSR, EEG, fNIRS) from participants engaged in VR-based simulation tasks.
  - Deployed and periodically updated deep learning models on SoC for real-time prediction and classification of participant states, enabling HDMI visualization for live monitoring.
  - Integrated standalone VR headsets for immersive simulation and synchronized physiological data acquisition.

## EDUCATION

- GGSIIP University –Bachelors in Computer Applications (8.8/10)**

**New Delhi, Delhi [Graduation: June 2022]**

**Coursework:** Data Structures, Computer Networks, Machine Learning, Linear Algebra, Calculus, and Software Engineering

**Leadership:** Led Association of Computer Enthusiasts: President (2022), R&D Head (2021), ML Mentor (2020). Organized two hackathons including an international hackathon along with several other technical events and conferences in New Delhi.

**Services/NPO:** Teaching Volunteer at National Service Scheme (NSS)

## SKILLS

Languages: JavaScript, C++, Python, SQL, HTML5, CSS3, React.js, Node.js  
Technology: CI/CD, Machine Learning, Data Visualization, Salesforce, Neural Networks, NumPy, Pandas, TensorFlow  
Tools/Lib: Pandas, Jupyter Notebook, Google Colab, GitHub, VS Code, JIRA, Copado, Bitbucket

## PROFESSIONAL DEVELOPMENT AND CERTIFICATIONS

- Google Cloud Certified - Cloud Digital Leader
  - Deloitte + Google: Cloud Generative AI Specialist
  - Deep Learning (Coursera)
  - Salesforce Certified Platform Developer I
  - Salesforce Certified A.I. Associate
  - Google Cloud Certified - Cloud Generative A.I. Leader
- Machine Learning Specialization
  - Salesforce Certified Agentforce Specialist (AI Specialist)
  - Salesforce Certified JavaScript Developer I
  - Salesforce Certified Einstein Prediction Builder AP
  - Salesforce Certified Administrator
  - Salesforce Certified Business Analyst

## PROJECTS | GitHub: [ikirtivardhansingh](#)

- Cognitive Intelligent Agent Mapping Rover: is an end-to-end pipeline of an autonomous rover with almost 56% of accuracy which was built with VR(Unity), Deep Learning and IoT.
- Sanskrit Devanagari Text Generator for Vedic Text: helped in generating and converting Devanagari, Roman or IAST scripts of Indian philosophical books.
- ACE Empathetic Bot: Analyzed negative feedback patterns in chatbot conversations to improve user empathy trained on reddit data.
- Small-Scale Inventory Management System: to solve the issue of small-scale businesses in northern India during the covid Pandemic in 2020 and provide a solution by which traditional 'bahi' method could be avoided.

## AWARDS & ACHIEVEMENTS

- Deloitte: Spot Award July 2024
- Ministry of Human Resource and Development: Winner at KAPILA program