Kirtivardhan Singh

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SUMMARY

Full-Stack developer with 2.8 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, Delhi* **[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

GGSIP 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 the Association of Computer Enthusiasts as the President (2022), RD Head (2021) and ML Mentor (2020) and organized two hackathons including one 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, Web Dev (HTML5, CSS3), React.j s
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