

	Curriculum Vitae – World Bank			
S No	General Information			
1	Name of the Employee		Dr. KAVITA SINGH	
2	Present Designation in Ernst & Young		Project Consultant	
3	Date of Birth		31-08-1988	
4	Age		37 Years	
5	Nationality		Indian	
6	Total Years of Experience		9+ Years	
7	Total Experience with the Firm/Company (E&Y)		2 Years	
8	Address of the Company/ Firm		Wing A & B Worldmark-1 Indira Gandhi International airport Hospitality, Opp Holiday Inn, Aerocity, Mahipalpur, Delhi 110037	
	Telephone Number		9479106584	
	E-Mail Address of the Employee		Kavita.singh2@in.ey.com	
	Location based out of in the Firm.		Raipur ,Chhattisgarh	
9	Education			
	Degree (Specialization)		Year	
9.1	Ph.D.(Computer Application)		2019	
9.2	MCA (Computer Application)		2012	
9.3	BCA( Computer Application)		2009	
10	Countries of Work Experience		Nil	
11	Employment			
	Employer		From	To
11.1	Ernst & Young, India		July,2023	March,2021
11.2	Chhattisgarh Infotech Promotion Society (CHIPS)		March,2021	June,2023
11.3	National Institute of Technology Raipur, DST-SERB		May,2017	January,2019
11.4	National Informatics Centre, Government of India, Raipur		August,2012	August,2015
12	Membership of Professional Associations		NILL	NILL
13	Other Training(s)		NILL	NILL
14	Language(s) [For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing]		Hindi	Speaking Reading Writing
			English	Speaking Reading Writing
15	Summary of Key Clients Serviced	<ul style="list-style-type: none"> <li>Rajya NITI Aayog , Government of Chhattisgarh Developed multiple digital governance platforms such as the SDG Dashboard, Novenmesh Portal, and Viksit Chhattisgarh Portal to support data-driven policy making.</li> <li>Chhattisgarh Infotech Promotional Society Led technical development for portals like the Right of Way Portal, Rajeev</li> </ul>		

		<p>Yuva Mitaan Club Scheme Portal, and CG-STATE Portal to enhance citizen service delivery.</p> <ul style="list-style-type: none"> <li>National Informatics Centre (NIC), Government of India Designed and maintained key e-Governance platforms including the e-Bill System and State Finance Commission Portal for public financial management.</li> </ul>
16	Summary of Key Industries Serviced	<ul style="list-style-type: none"> <li>Government &amp; Public Sector Extensive experience in building e-Governance platforms and digital transformation tools for state and central government bodies.</li> <li>Higher Education &amp; Research Contributed to funded academic research projects, algorithm development, and optimization studies at NIT Raipur and as part of DST-SERB grants.</li> </ul>
17	Detailed tasks handled (Domestic)	<ul style="list-style-type: none"> <li>Full-stack development using Angular, Node.js, MariaDB, and NGINX.</li> <li>Creation of scalable dashboards and web portals for government use.</li> <li>Implementation of RESTful APIs and server configurations.</li> <li>Advised on technical solutions for improving public service delivery.</li> <li>Handled version control, documentation, and maintenance cycles.</li> <li>Developed metaheuristic and hybrid optimization algorithms.</li> <li>Applied statistical and performance analysis using R.</li> </ul>
18	Project Experience	
18.1	Project 1: SDG Dashboard	
a.	Name of the client	Rajya NITI Aayog, Chhattisgarh
b.	Work Area	Software Development and Data Analytics
c.	Location of the assignment	Rajya NITI Aayog, Chhattisgarh
d.	Name of the organization for which the individual was employed, while executing the assignment	Rajya NITI Aayog, Chhattisgarh
e.	Position Assigned	Project Consultant
f.	Role Played	Led the full-stack development and deployment of a secure, scalable SDG Monitoring Dashboard for real-time data tracking and analysis.
g.	About the Client & Business Challenges	Rajya NITI Aayog, Chhattisgarh needed a centralized, secure, and user-friendly digital solution to efficiently monitor, manage, and analyze progress across diverse SDG indicators for informed decision-making and governance.
h.	Tasks Handled	Developed an SDG (Sustainable Development Goals) Monitoring Dashboard for Rajya NITI Aayog, Chhattisgarh, to support effective tracking and management of progress across various SDG indicators. The dashboard is actively used by both the Department and district-level authorities as a centralized tool for performance monitoring. It comprises two key components: the first is an analytical and visualization module that offers interactive charts, graphs, and data insights to evaluate progress on SDG targets; the second is a data entry module with secure, role-based login access for SDG-mapped departments, district officials, and Rajya NITI Aayog. Designed and implemented an efficient backend database to

	<p>support robust data handling and reporting. Additionally, developed a responsive and user-friendly frontend interface to enhance usability. The entire system was securely hosted on a dedicated server machine following a successful security audit, ensuring reliable and secure access for all stakeholders. This solution enhances transparency, supports data-driven decision-making, and promotes efficient governance aligned with the Sustainable Development Goals.</p> <ul style="list-style-type: none"> <li>- Technology: Angular, Node JS, MariaDB, Java</li> <li>- Version Control: GIT</li> <li>- Server :NGINX</li> <li>- URL: [https://sdgspc.cg.gov.in/]</li> </ul>
i. Value Delivered to Client	Enabled real-time, data-driven decision-making and enhanced transparency in SDG progress tracking across departments and districts.
j. Start Year	2023
k. End Year (Year/Ongoing)	Ongoing
l. Client Reference	<p>Dr. K. Subramanyam Member 0771-2511225</p> <p>Dr. Neetu Gaudariya Joint Director 0771-2511219</p>

#### 18.2 Project 2: Rajya NITI Aayog, Website

a. Name of the client	Rajya NITI Aayog, Chhattisgarh
b. Work Area	Software Development and Data Analytics
c. Location of the assignment	Rajya NITI Aayog, Chhattisgarh
d. Name of the organization for which the individual was employed, while executing the assignment	Rajya NITI Aayog, Chhattisgarh
e. Position Assigned	Consultant
f. Role Played	Led the design and full-stack development of a secure, responsive, and content-rich official website for Rajya NITI Aayog, Chhattisgarh.
g. About the Client & Business Challenges	Rajya NITI Aayog, Chhattisgarh required a centralized, secure, and user-friendly digital platform to effectively communicate state planning initiatives and engage stakeholders.
h. Tasks Handled	<p>Designed and developed the official website for Rajya NITI Aayog, Chhattisgarh, to serve as a central platform for disseminating information, reports, policy documents, and updates related to state planning and development initiatives. The website features a clean, intuitive, and responsive user interface to ensure accessibility across devices and user groups. A secure and scalable backend database was implemented to manage dynamic content efficiently. The site includes modules for publications, events, media updates, SDG-related resources, and stakeholder engagement. Following a comprehensive security audit, the website was successfully deployed on a government-approved server environment, ensuring compliance with cybersecurity standards.</p> <ul style="list-style-type: none"> <li>- Technology: Angular, Node JS, MariaDB</li> <li>- Version Control: GIT</li> <li>- Server :NGINX</li> </ul>

	- URL: [ <a href="https://niti.cg.gov.in/#/home">https://niti.cg.gov.in/#/home</a> ]
i. Value Delivered to Client	Delivered a modern, accessible, and secure web platform that streamlined public communication and improved visibility of policy initiatives and development activities.
j. Start Year	2023
k. End Year (Year/Ongoing)	Ongoing
l. Client Reference	Dr. K. Subramanyam Member 0771-2511225 Dr. Neetu Gaudariya Joint Director 0771-2511219
18.3	Project 3: Novernmesh Portal
a. Name of the client	Rajya NITI Aayog, Chhattisgarh
b. Work Area	Software Development and Data Analytics
c. Location of the assignment	Rajya NITI Aayog, Chhattisgarh
d. Name of the organization for which the individual was employed, while executing the assignment	Rajya NITI Aayog, Chhattisgarh
e. Position Assigned	Consultant
f. Role Played	Designed and developed a collaborative digital platform for sharing and managing best practices across departments and districts in Chhattisgarh.
g. About the Client & Business Challenges	Rajya NITI Aayog, Chhattisgarh needed a unified portal to promote cross-learning, inter-departmental coordination, and replication of successful governance practices.
h. Tasks Handled	The portal facilitates seamless uploading, sharing, and cross-learning of programs, implementation strategies, and best practices adopted by various departments and districts. It serves as a collaborative platform that promotes knowledge exchange and encourages the replication of successful initiatives across the state. By enabling easy access to innovative approaches and field-level insights, the portal strengthens inter-departmental coordination and accelerates the adoption of effective governance practices. <ul style="list-style-type: none"> <li>- Technology: Angular, Node JS, MariaDB</li> <li>- Version Control: GIT</li> <li>- Server :NGINX</li> <li>- URL: [<a href="https://sdgspc.cg.gov.in/bestpractice/#/home">https://sdgspc.cg.gov.in/bestpractice/#/home</a>]</li> </ul>
i. Value Delivered to Client	Enabled efficient knowledge sharing and strategy replication across departments, fostering innovation and improving governance outcomes statewide.
j. Start Year	2023
k. End Year (Year/Ongoing)	Ongoing
l. Client Reference	Dr. K. Subramanyam Member 0771-2511225 Dr. Neetu Gaudariya Joint Director 0771-2511219

18.4	Project 4: Viksit Chhattisgarh	
a.	Name of the client	Rajya NITI Aayog, Chhattisgarh
b.	Work Area	Software Development and Data Analytics
c.	Location of the assignment	Rajya NITI Aayog, Chhattisgarh
d.	Name of the organization for which the individual was employed, while executing the assignment	Rajya NITI Aayog, Chhattisgarh
e.	Position Assigned	Consultant
f.	Role Played	Designed and developed a collaborative digital platform for sharing and managing best practices across departments and districts in Chhattisgarh.
g.	About the Client & Business Challenges	Rajya NITI Aayog, Chhattisgarh required a centralized platform to streamline the sharing and replication of successful governance practices across departments and districts.
h.	Tasks Handled	<p>The portal facilitates seamless uploading, sharing, and cross-learning of programs, implementation strategies, and best practices adopted by various departments and districts. It serves as a collaborative platform that promotes knowledge exchange and encourages the replication of successful initiatives across the state. By enabling easy access to innovative approaches and field-level insights, the portal strengthens inter-departmental coordination and accelerates the adoption of effective governance practices.</p> <ul style="list-style-type: none"> <li>- Technology: Angular, Node JS, MariaDB</li> <li>- Version Control: GIT</li> <li>- Server :NGINX</li> <li>- URL: [https://sdgspc.cg.gov.in/bestpractice/#/home]</li> </ul>
i.	Value Delivered to Client	Delivered a collaborative portal that enhanced inter-departmental learning, improved accessibility to innovative strategies, and accelerated the adoption of effective governance models.
j.	Start Year	2023
k.	End Year (Year/Ongoing)	Ongoing
l.	Client Reference	<p>Dr. K. Subramanyam Member 0771-2511225 Dr. Neetu Gaudariya Joint Director 0771-2511219</p>
18.5	Project 5: Right of Way	
a.	Name of the client	Chhattisgarh Infotech Promotion Society (CHiPS)
b.	Work Area	Software Development
c.	Location of the assignment	Chhattisgarh Infotech Promotion Society (CHiPS)
d.	Name of the organization for which the individual was employed, while executing the assignment	Chhattisgarh Infotech Promotion Society (CHiPS)
e.	Position Assigned	Software Developer (Team Lead)

f. Role Played	Developed and implemented a streamlined digital portal to manage and automate telecom infrastructure approval processes across Chhattisgarh.
g. About the Client & Business Challenges	The Government of Chhattisgarh needed a transparent, efficient system to manage Right of Way (RoW) permissions for telecom infrastructure on various land types.
h. Tasks Handled	<p>Chhattisgarh is a digital initiative aimed at streamlining and enhancing the transparency of the permission process for establishing telecommunications infrastructure across the state. The portal facilitates a simplified and efficient mechanism for granting approvals to licensees for laying telecom infrastructure on government, semi-government, and private properties in both rural and urban areas. Designed to support the rapid expansion of digital connectivity, the system ensures compliance with regulatory norms while reducing delays and promoting ease of doing business in the telecom sector.</p> <ul style="list-style-type: none"> <li>-Technology: PHP, MySQL</li> <li>- Version Control: GIT</li> <li>- URL: <a href="https://row.cgstate.gov.in">https://row.cgstate.gov.in</a></li> </ul>
i. Value Delivered to Client	Enabled faster approvals, improved regulatory compliance, and supported the accelerated rollout of digital connectivity across the state.
j. Start Year	2021
k. End Year (Year/Ongoing)	2023
l. Client Reference	-
18.6	Project 6: Rajeev Yuva Mitaan Club Scheme, Chhattisgarh
a. Name of the client	Sports Department Chhattisgarh
b. Work Area	Software Development
c. Location of the assignment	Chhattisgarh Infotech Promotion Society (CHIPS)
d. Name of the organization for which the individual was employed, while executing the assignment	Chhattisgarh Infotech Promotion Society (CHIPS)
e. Position Assigned	Software Developer (Team Lead)
f. Role Played	Designed and developed a comprehensive digital portal to manage and monitor all operational aspects of the Rajiv Yuva Mitaan Yojana across Chhattisgarh.
g. About the Client & Business Challenges	The Government of Chhattisgarh needed a centralized system to streamline youth club operations, ensure transparent fund management, and track statewide engagement activities.
h. Tasks Handled	Rajiv Yuva Mitaan Yojana is a flagship initiative of the Hon'ble Chief Minister of Chhattisgarh, designed to empower the youth by creating opportunities for skill development, sports, community engagement, and leadership. The project aims to establish youth clubs—Yuva Mitaan Clubs—at the village and ward levels, serving as platforms for young individuals to participate in developmental activities and contribute meaningfully to society. A dedicated digital portal has been developed to manage the end-to-end operations of the scheme, including club formation, membership registration, fund disbursement, activity tracking, and performance monitoring. The platform ensures transparency, accountability, and efficient implementation across the state, ultimately nurturing a generation of proactive, skilled, and socially responsible youth.

	-Technology: PHP, MySQL - Version Control: GIT
i. Value Delivered to Client	Enabled efficient scheme implementation, real-time monitoring, and youth empowerment through a transparent and scalable digital platform.
j. Start Year	2021
k. End Year (Year/Ongoing)	2023
l. Client Reference	-
18.7 Project 7:	Metaheuristic techniques designed to solve NP-Hard combinatorial optimization problems
a. Name of the client	National Institute of Technology Raipur, DST-SERB
b. Work Area	Re
c. Location of the assignment	National Institute of Technology Raipur, DST-SERB
d. Name of the organization for which the individual was employed, while executing the assignment	National Institute of Technology Raipur, DST-SERB
e. Position Assigned	Project Staff
f. Role Played	Conducted algorithm research and developed heuristic and metaheuristic solutions for complex NP-Hard problems using C in a Linux environment.
g. About the Client & Business Challenges	DST-SERB aimed to advance research in combinatorial optimization by developing efficient algorithms for solving computationally intensive real-world problems.
h. Tasks Handled	Worked on algorithm research for combinatorial optimization under a DST-SERB funded project, utilizing C programming and Linux-based development environments. Developed customized heuristics and metaheuristic techniques to efficiently solve complex NP-Hard problems, contributing to advancements in optimization algorithms for practical, real-world scenarios.
i. Value Delivered to Client	Delivered optimized algorithmic solutions that improved problem-solving efficiency and contributed to academic and practical advancements in the field of combinatorial optimization.
j. Start Year	2017
k. End Year (Year/Ongoing)	2019
l. Client Reference	-
18.8 Project 8:	e-Kosh Online
a. Name of the client	Directorate of Treasury , Raipur
b. Work Area	Software Development
c. Location of the assignment	National Informatics Centre, Government of India, Raipur
d. Name of the organization for which the individual was employed, while executing the assignment	National Informatics Centre, Government of India, Raipur
e. Position Assigned	Software Developer
f. Role Played	Developed and maintained modules of the e-Kosh Online treasury management system to support efficient public finance operations.

g. About the Client & Business Challenges	The Government of Chhattisgarh needed a robust digital solution to streamline treasury functions, ensure accountability, and enhance financial governance.
h. Tasks Handled	Developed and supported the e-Kosh Online platform, a comprehensive treasury management system for the Government of Chhattisgarh. The system manages budget allocations, expenditure tracking, payment processing, and financial reporting. It plays a critical role in improving financial governance and ensuring timely disbursal of government funds.
i. Value Delivered to Client	Enabled transparent, timely, and efficient management of state finances through an integrated and automated treasury platform.
j. Start Year	2012
k. End Year (Year/Ongoing)	2015
l. Client Reference	-
<b>18.9 Project 9 : e-Bill - Billing System for Directorate of Treasury</b>	
a. Name of the client	Directorate of Treasury , Raipur
b. Work Area	Software Development
c. Location of the assignment	National Informatics Centre, Government of India, Raipur
d. Name of the organization for which the individual was employed, while executing the assignment	National Informatics Centre, Government of India, Raipur
e. Position Assigned	Software Developer
f. Role Played	Developed and maintained the e-Bill system to digitize and automate bill processing and tracking for government departments.
g. About the Client & Business Challenges	The Directorate of Treasury, Chhattisgarh required a digital solution to eliminate manual bill handling and enhance efficiency in financial workflows.
h. Tasks Handled	Developed and maintained the e-Bill system for the Directorate of Treasury, Chhattisgarh, to streamline bill processing, submission, and tracking for various departments. The system enables digital submission of bills, real-time status updates, and integration with treasury workflows, improving efficiency, transparency, and turnaround time for financial transactions.
i. Value Delivered to Client	Improved transparency, reduced processing time, and streamlined financial transactions through a fully digital and integrated bill management system.
j. Start Year	2012
k. End Year (Year/Ongoing)	2015
l. Client Reference	-

I, hereby confirm that all the information and details provided and updated by me in my Curriculum Vitae (CV) are true, accurate, and complete to the best of my knowledge and belief.

I acknowledge that I am solely responsible for the authenticity of the content included in the document and understand that any misrepresentation or false information may lead to appropriate corrective actions as per organizational policies.

Name: KAVITA SINGH \_\_\_\_\_

*Signature:* \_\_\_\_\_

Date (Day/Month/Year): \_\_\_\_\_ 13/11/25 \_\_\_\_\_