

Aishwat Singh

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Education

2010 – 2014 **National Institute of Technology Goa, India**

Bachelor of Technology, Computer Science
GPA: 9.17/10

Work Experience

May-24 – Present **Tesco Technology** London, UK

SDE2 Engineer - GraphQL Systems

- Led the transformation of a monolithic GraphQL application into federated subgraphs, enhancing system modularity and scalability, while collaborating with multiple teams
- Enhanced system stability by implementing request timeout mechanisms and header normalization, reducing operational risks
- Led a team of engineers to deliver robust solutions, ensuring seamless integration between backend and frontend systems

May-22 – Apr-24 **Vitamojo** London, UK

Senior Engineer - Order Management Systems

- Integrated UberEats and JustEats with vitamojo software, leading to a 35% surge in customer visits, soaring from 10,000 to 13,500 monthly visits
- Spearheaded the development and certification of the France Fiscalization system, ensuring compliance for over 50 point-of-sale systems and enabling Vitamojo's expansion in France
- Refactored the loyalty system with strategy patterns, reducing third-party integration time from a month to five days and streamlined subway data fetch using AWS Step Functions

Jun-21 – Feb-22 **Reliance Jio Platforms** Bangalore, India

Lead Engineer - Digital Service Provider

- Developed Jio's subscription engine, enabling bundled services like Netflix and Amazon Prime, driving a 30% increase in new connections
- Engineered REST API for subscription actions, achieving an average response time reduction from 150ms to 80ms
- Transformed high-volume asynchronous processing by integrating RabbitMQ queues and Redis cache, achieving a 40% boost in processing efficiency

Jan-17 – Jun-21 **Target Corporation** Bangalore, India

Senior Engineer

- Secured funding within the 'Target Accelerator Program India' to develop an AI-driven customer satisfaction tool using DeepSpeech, which transcribed and analysed customer calls
- Built a Recovery as a Service Platform, helping discover vendor income leakage and recovering over £2 million per quarter, deriving cognitive insights from unstructured data such as e-mail conversations and attachments using convolution neural networks
- Developed enterprise-scale RPA bots, saving 65,000+ man-hours annually

Jun-14 – Dec-16	Tesco PLC <i>Software Engineer</i>	Bangalore, India
	<ul style="list-style-type: none"> Developed Store Empowerment system for Tesco, reducing inventory replenishment time by 50% and improving KPI data management Represented Tesco at AWS Summit in Singapore, showcasing the company's commitment to innovation and cloud technology 	
May-13 – Dec-13	CERN – CMS Experiment Lab <i>Research Intern</i>	Geneva, Switzerland
	<ul style="list-style-type: none"> Analysed luminosity measurement methods (HF and ET-sum) at CMS Lab, published findings, and created 'pylumi' a Python library for ROOT 	

Additional Information

Interests:	Running: Completed a 10k marathon and preparing for the TCS London Marathon 2025 in support of the Ability Bow charity Archery: Certified member of Brent Valley Archers Violin, Swimming
Certifications:	Project Management Professional, PMP – 2024 Apollo GraphQL Developer – Professional AWS Certified Developer Associate – AWS – 2018 Deep Learning Nanodegree – Udacity – 2019
Achievements:	KK Sancheti Endowment Award for excellent academics at NIT GOA 0.1% Merit Certificate for AISSCE CBSE Star Performer of the Year Award 2014 at Tesco PLC
Nationality:	Indian, UK Work Permit
Portfolio:	www.aishwat.com

Skills

Programming:	JavaScript, TypeScript, Python, Java
Backend:	Node.js, NestJS, GraphQL
Frontend:	React.js, Next.js
Databases:	MongoDB, DynamoDB, MySQL, Neo4J
DevOps & Cloud:	Docker, Terraform, AWS
Soft Skills:	Agile Project Management, Strategic Leadership