**VARUN GUPTA**

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**PROFILE:**

Software Developer with a passion for identifying and resolving challenges faced by businesses, especially as we embark with emerging technologies, such as A.I.  I have also worked as a risk analyst in Banking. Strong appreciation of regulations faced by businesses to ensure compliance in the areas of privacy, models, AI, and banking risks in UK, EU and US.

**WORK EXPERIENCE:**

**Contracting, London, UK Feb’24 -Current**

Web applications:

* **Company Directory:** A demo project using MySQL and Bootstrap for a cllient:
	+ Technologies: HTML, CS, JS, PHP. url: <https://www.varungupta.org/company_directory>
	+ Implemented app with quick turnaround. Credited for being responsive and productive.
* **Gazetteer**: A demo project using Leaflet.js library to map geo-location data.
	+ Technologies: HTML, CSS, JS, PHP. url: <https://www.varungupta.org/Gazetteer>
	+ Implemented app with Bootstrap and jQuery.
	+ Optimized latency through caching and concurrent client-side http requests.

**AAVIRO, London, UK Oct’22 - Current**

Started a company to bring AI based education technologies to classrooms in UK schools. Currently, exploring business viability, research and partnerships with professionals in the UK and abroad.

**HSBC, London, UK Jun’21-Oct'22**

Contractor, Internal Audit – Traded Risk.

* Participated in Mexico, US and EU Traded Risk Audits.
* Good familiarity with local regulations and risk models.
* Developed strong stakeholder management skills spanning seniority, language and continents.
* Appreciation received for Independently raising issues and recommending issues closures.

**Citi, London, UK**  **Apr’20-Apr’21**

Market Risk Internal Audit – Maternity Cover.

* Focused on Business monitoring and Continuous Audits in Market Risk.
* Performed strategic analysis with SLT in Risk and Finance. Credited for strong work ethics.

**MUFG, London, UK Sep'19-Mar'20**

Internal Audit Manager – Finance, Treasury, Compliance and Conduct.

* Led the Volcker Rule Compliance Audit and performed issue closure validation.
* Demonstrated ability to work independently and lead teams across disciplines.

**Royal Bank of Scotland, London, UK** **Aug’17 - May'19**

Internal Auditor – SME for Market Risk related audits.

* Lead the ICAAP audit engagement with a team of 6 auditors. Developed expertise in stakeholder management.Raised issues of commercial and regulatory significant in non-traded risks.

**Credit-Suisse, London, UK** **Sep'15-Jun’17**

Portfolio Market Risk Manager for UK Legal Entities

* Prepared market risk sections and dashboard for the Risk Management Committees.
* Demonstrated ability to communicate complex markets risks in written and verbal format to SLT.
* Appreciation received for attention to detail and documentation skills.

**JP Morgan, London, UK** **May’10-Aug’15**

Market Risk, London Jul’11-Aug'15

Credit Hybrids Product Control, London May’10-Jul’11

* Performed analysis to explain variations in market risk exposures. Expertise in VBA.

**Hometrack Data Systems (Financial Services), London, UK** **Feb’07-Feb’10**

* Performed independent validation of the automated valuation model.
* Demonstrated attention to detail and analytical skills.

**EDUCATION AND CERTIFICATIONS:**

* Codecademy Full Stack Web development (Feb2025)
* Google Cybersecurity Professional Certificate (Jul2023)
* Certificate in Quantitative Finance, Fitch Learning (Dec2022)

(Course on Financial Engineering. Final project on Neural Networks and Deep Learning. Solid grounding in Python, SQL)

* MSc. Applicable Mathematics, London School of Economics & Political Science (2006)
* (Dipl.) Computational Mathematics and Operations Research, University of Delhi, India (2004)
* B.A. (Hons.) Mathematics, Sri Venkateshwara College, University of Delhi, India (2003)

(Certificate of Merit for placing 2nd in the first-year B.A. Examination. Overall, I got a First)

**KEY SKILLS:**

* Programming: Javascript, PHP, CSS, HTML, Java, R, Python, VBA
* Cloud: GitHub, Heroku, AWS, Azure, GCP
* Web Frameworks: Spring, React, Django.
* Data science: Scikit-Learn, TensorFlow, Pytorch, Pandas, Numpy and OpenCV
* Cybersecurity: GDPR, ISO/IEC 27001, ISO/IEC 42001
* Regulation: BCBS 239, SR11-7, GDPR, PS6/23, Market, Credit Risk, ICAAP/ILAAP
* Audit: Audit Risk and Control Framework, Incident Management Reporting
* Financial Knowledge: Good understanding of Option Theory and basic financial mathematics