Abhinav Garg

📞 +91-9769473050
✉ abhinav.garg@live.com
🌐 http://abhinav-garg.github.io
in https://www.linkedin.com/in/abhinavgrg/

EDUCATION

Examination/Degree	University/Board	Year	CPI/%
B.Tech. & M.Tech. (Aerospace Eng.)	Indian Institute of Technology Bombay	2017	9.21 (Department Rank 1)
Class XII Boards	Central Board of Secondary Education	2012	95.8% (School Rank 1)

Scholastic achievements

- Scored **10/10 in thesis projects** – Task Allocation and Optimal Control in Epidemics, Dynamic Formations of Swarms
- Awarded **scholarships** – **NTSE** (~1K selected/1M+ applicants) and **KVPY** (~1K selected/50K+ applicants)

PROFESSIONAL EXPERIENCE

McKinsey & Company | Senior Analytics Fellow   Jul'17 – Ongoing

- **2+ years** of consulting experience (**8 clients/6 geographies**) in Risk Management, Banking, Analytics and Digital
- **Exceptional client service** awarded through a **fast-track promotion in 1.5 years** (vs. an average of 2.5 years)
- Consistently **rated 5/5** (Distinctive) **2 years in a row** in recognition of outstanding performance (**1 of 3 in a cohort of 30+**)
- Received **client commendations** (**including CRO**) in multiple projects – noted as **critical for workstream impact**

Key projects

Stress-test capability Azerbaijan, 5 months	• Managed **6+ modelers** in **developing stress testing models** for a **top 5 bank** ($1+ Bn book) • Led **client alignments** across the organization and interfaced with **top management** (**CxOs**)
Transforming SME lending business India, 5 months	• Built **underwriting engine** (**80%+ Gini**) with **behavioural**, **financial** and **qualitative** factors • Achieved process digitization **– reducing turn-around time by 50%+** and **lowering NPLs** • Led large **cross functional meetings** with **heads of risk, sales, analytics** and **compliance**
Model validation India, 5 months	• Validated key US portfolio models (regulatory) – findings led to **stress-loss revision by 32%+** • Received **client commendation** for **modelling expertise** – **critical to project delivery**
Valuation with risk Austria, 2 months	• Built **valuation model** and captured **market/project uncertainty** by simulations (**~20% NPV**) • Created **strategic scenarios** to capture idiosyncratic **project, disaster,** and **geopolitical** risks
Analytics scale up Thailand, 1 months	• Developed **modelling framework** and **tools** to automate factor bucketing and model selection • Achieved **rapid turn-around** – client could create **telco-data** based **credit models** in **~1 wk.**
Lending digitization Finland, 6 months	• Developed **loan affordability** analyzer in an **online retail mortgage lending engine** • Pushed **production software** (**agile delivery**), and **trained 4+ colleagues** in digital risk tools

Internal initiatives

- Built R-based **modelling engine** (**used in 5+ projects**), **reducing** ramp-up and turn-around **from 3 wks. to ~1 wk.**
- Conducted office-wide **training on risk digital transformations** – spun-off as a **global web training** (60+ participants)
- Published **3+ documents codifying knowledge** – topics including risk in valuation, modelling oil refineries, and credit risk

General Electric | GE Aviation – Thermal Systems Design Summer Intern   May'15 – Jul'15

- Developed **flow simulation models** to predict **heat transfer** in impinging **jets** – optimizing parameters to replicate test data

Quetzal Online Pvt. Ltd. | Software Developer Winter Intern   Dec'14

- Achieved **savings of ~24-man hours/day** by developing an **NLP-based resume parser** for pre-populating backend

Other internships: Worked as a software developer creating web crawlers, websites, front-end apps in various start-ups

SKILLS

Development (R, Python, Git), Statistical & Financing Modelling (Credit Risk, Valuation), Advanced Excel, PowerPoint

LEADERSHIP ROLES

- **Institute Secretary of International Relations**, IIT Bombay   Apr'14 – Mar'15
- Built IR office **presence online** and **initiated outreach assets**, attributed to raising student exchange **50%+ y-o-y**
- **Editorial Board Member, Insight**, IIT Bombay   Apr'15 – Mar'16
- Led **12+ student journalists** for print and web articles (reaching 9K+ students & 650+ faculty, web views 370K+/p.a.)
- **Institute Student Mentor** and **Department Academic Mentor** at IIT Bombay   Jul'14 – May'17
- Mentored **12 freshmen** and **14 seniors** over **3 terms** – chosen from a highly **competitive pool** (79/351 selected)
- **Teaching assistant**, IIT Bombay for Control Systems Design, Vibrations & Structural Dynamics, and Thermodynamics

EXTRACURRICULAR

Volunteering	**Mentor** for a yearly term at **Avanti Fellows** (NGO **educating low income students** for entrance exams)
Sports	Running – 1x **Full Marathon** (42.2 km) and 3x **Half Marathons** (21.1 km), and Swimming (~12.2 km)
Music	**Guitar player** and **singer** – performed at 3 annual concerts at IIT Bombay with **an audience of 2000+**
Languages	**French** Advanced (DELF A2 Level), in addition to fluency in **Hindi** and **English**
Adventure	Skydiving (~14,000 ft.), Bungee jumping (~700 ft.), Hiking (~13,000 ft.) and Travel (10+ countries)