B. PROFESSIONAL PROFILE (COMPLETE)

B1. Full career timeline (chronological)

- 2017 — Completed Class XII (Science with Computer Science) from Bhavans G.K. Vidyamandir, Kolkata. Score: 86% in XII; CBSE X CGPA 10/10.

- 2017–2021 — B.Tech (Instrumentation & Control Engineering), Manipal Institute of Technology, Manipal. Minor: Data Science. Graduated 2021. CGPA reported in resume: 8.04/10 (mirror from Archit_Dasgupta_1.pdf). Roles: General Secretary & Event Head, Astronomy Club. Ranked 2/30 in MIT Astrophysics & Astronomy Olympiad.

- Sep 2021 – Jun 2024 (approx) — Bosch Global Software Technologies — Senior Engineer (Commercial Vehicles / Electronic Systems). 34 months across development, automation, and process optimization roles. (Joined via campus placement post-2021.)

- Apr 2025 – May 2025 — Summer Internship: Financial Analyst, B2K Analytics (2 months).

- 2024–2026 — MBA, BITSoM (BITS School of Management, Mumbai). Class of 2026. GPA: 3.46/4.0 (top ~15%). Current room: H1-005 at BITSoM.

B2. Bosch — detailed contributions and metrics (fully enumerated)

Team & role context

- Department: Electronic Systems / Commercial Vehicles

- Primary domain: ECU (Engine Control Unit) software development for global OEMs; customer-facing clarifications and compliance.

- Additional responsibilities: Process automation, virtual testing pilot, debugging & FMEA support, mentoring.

Quantified outcomes & metrics (as provided)

- Reduced project costs by **42% (~₹40 lakh)** using advanced simulation and virtual test setups.

- Achieved **25% TAT improvement (equiv. ~1024 hours)** in project delivery by automating 9 vehicle tests.

- Saved approximately **204 hours/year** by automating software delivery tasks.

- Led **15 design implementations** for 6+ OEMs (head of engine torque module for 2 years, 2022–24).

- Coordinated with **4 international customer teams** (Germany + others) for functional clarifications.

- Mentored **3 junior associates** via a structured training program.

- Functioned as software reviewer for **16 updates**, ensuring adherence to automotive quality standards.

- Validated **21 vehicle system designs** per Bosch guidelines pre-delivery.

- Expedited debug time by **16%** as subject matter expert across 17 development tools.

- Resolved 3 critical defects via root cause analysis; mitigated risks across 5+ potential failure points via FMEA.

Awards at Bosch (explicit)

- Best Young Associate (1/50) — recognition for high potential & performance.

- Tech Wizard Award (6/200) — for spearheading 28 vehicle feature deliveries across 30 OEMs.

- 4 Appreciation Awards from management for consistent contributions.

Project highlights

- Led pilot to virtualize ECU testing during COVID: reduced need to ship expensive ECU hardware (~€70k per ECU) and accelerated validation workflows; pilot scaled across multiple teams worldwide.

B3. MBA & B2K Analytics internship — detailed contributions

MBA (BITSoM)

- Programs & responsibilities: Senior Member, Consulting Club; organized Guesstimates session for 75+ students; orchestrated inaugural case competition (500+ registrations).

- Sponsorships: Secured ₹1lakh+ sponsorships for events (example: Fortis Healthcare).

- Live project: Ratna Nidhi Charitable Trust — GTM strategy to install mini libraries (Oct 2024–Feb 2025): generated 20 business leads, installed 2 mini libraries, initiated Central Bank of India branch tie-up.

B2K Analytics (Financial Analyst)

- Built pricing models for Market-Linked Debentures (MLDs), enabling valuation across an estimated ₹120 Bn structured debt market.

- Backtested 4 debenture tranches worth **₹1.9 Bn** to validate pricing consistency.

- Improved model turnaround time (TAT) by **86%** through automation.

- Designed interactive Excel & Python dashboards for reporting.

- Drafted SEBI-compliant valuation methodology to support audit clearance & AMFI empanelment.

- Identified 4 service opportunities for the firm via benchmark analysis on lending fintechs.

B4. Education — full details (as provided)

- MBA, BITSoM — Class of 2026; GPA 3.46/4; roles in consulting club and event sponsorship.

- B.Tech (Instrumentation & Control Eng.), Manipal Institute of Technology — Pass out 2021; CGPA: 8.04/10 per resume. Minor in Data Science. Astronomy Club General Secretary and Event Head.

- XII CBSE, Bhavans G.K. Vidyamandir — 86% (2017).

- X CBSE — CGPA 10/10.

B5. Skills, tools and certifications (explicit)

Technical skills

- Excel (advanced), Python, R, SQL, Tableau, C, C++, AUTOSAR, Embedded C, HTML5/CSS3, PHP, JavaScript, Git, Jira.

Certifications

- Lean Six Sigma — Green Belt

- Data Science & R Programming

- Python & Web Design

Other

- Model-building: Monte Carlo simulation, Hull-White interest-rate modelling experience (user context from Model Set Context). [Note: included because prior convo shows work in that area; if not to be used, remove.]

B6. Achievements (complete listing including dates & metrics where present)

Professional

- Best Young Associate, Bosch (1/50) — date referenced in CV (2022/2023 timeframe).

- Tech Wizard Award (6/200) — led 28 feature deliveries across 30 OEMs.

- 4 Appreciation Awards (management).

- Reduced costs by ₹40 lakh via simulations / 42% PL.

- Improved automation outputs & saved person-hours as previously noted.

Academic

- MIT Astrophysics & Astronomy Olympiad — rank 2/30.

- CBSE Class X — perfect CGPA 10/10 (top 7% of 1.3M students).

- Multiple leadership roles at MIT and BITSoM.

Sports / Extracurricular

- Runner-up (2/64) in Bosch Badminton tournament.

- Completed TCS 5k run (virtual) in Bangalore (June 2023).

- Vice President, Bosch Public Speaking Club — led 22 sessions.

- MIT Astronomy Club general secretary — led 32 members and presented workshops for 200+ participants.

B7. STAR stories & canned interview answers (ready-to-use)

(I include full long-form answers and short/concise variants; use long-form for behavioral interviews, short form for quick intros.)

Tell me about yourself — Full (2–3 min) — DEFAULT PROFESSIONAL INTRO
My name is Archit Dasgupta. I grew up in Kolkata and completed my B.Tech in Instrumentation & Control Engineering with a minor in Data Science from Manipal Institute of Technology in 2021. I joined Bosch through campus placement, where I worked for over two and a half years in the Electronic Systems group focusing on ECU software for global OEMs. There I led process-automation initiatives and piloted a virtual testing setup that reduced project costs and cut delivery time by about 25%. To broaden my understanding of business and finance, I am pursuing an MBA in Finance and Leadership at BITSoM (Class of 2026). Last summer I interned at B2K Analytics as a financial analyst, building valuation models for market-linked debentures and improving model turnaround time by 86%. I bring technical depth, analytical rigor, and cross-functional collaboration experience, and I'm focused on roles that combine technical problem solving with financial and strategic decision making. Outside work I enjoy badminton, chess, stargazing, and following football.

Tell me about yourself — Short (30–45 sec)
I'm Archit Dasgupta, an engineer-turned-MBA. I spent 2.5 years at Bosch building ECU

software and leading automation projects, then moved into finance via an internship at B2K Analytics where I worked on MLD valuation models. I'm currently at BITSoM (Class of 2026), focused on consulting, product management, and finance roles, and I enjoy sports and astronomy outside work.

Why Finance? — Concise
Three reasons: (1) At Bosch I learned engineering decisions are driven by financial targets — I wanted to understand the 'why' behind those numbers; (2) I want to manage and invest my own money better and help others improve financial literacy; (3) Finance offers intellectually rigorous, high-impact problem solving that shapes business outcomes.

Biggest achievement — STAR full
Situation: During COVID, our ECU testing relied on physical hardware labs and shipping high-cost ECU units from Germany; access was severely disrupted.
Task: Pilot a virtual testing infrastructure to simulate ECU behaviour and allow remote validation. I led development from the India side and integrated our set-up with the Germany team's framework.
Action: Customized the virtual lab for Indian projects, automated repetitive tests, trained engineers, and demonstrated cross-team benefits.
Result: Virtualized full testing workflow, removed need to ship €70k ECUs, reduced delivery time by 25%, and scaled the solution to multiple teams. I received Best Young Associate for this work.

Weakness (interview-ready)
I've historically been over-competitive and driven to be the best in my cohort. I've actively worked on this by focusing on team outcomes, mentoring juniors and practising perspective — now I channel that competitiveness into measurable process improvements rather than comparison.

Strengths (short elevator)
Prioritise professional evidence: automation & cost-savings at Bosch; stakeholder management with international teams; rigorous quantitative modelling during internship; rapid learning and execution.

(Several other canned answers — projects, leadership examples, conflict resolution, mentorship — are available on request and can be appended as prewritten STARs.)

B8. Strength ordering & agent instruction (explicit)

When asked a generic question such as "Tell me about Archit" or "What are his strengths?", the system must:

1. Default to professional content (A1 intro).

2. When asked for strengths: present **professional strengths first**, then personal strengths (explicit ordering below).

3. When asked for achievements: present **work achievements first** (Bosch outcomes, awards, then internship & academic).

4. When asked for personal info: return Personal section.

Ordered strengths to deliver (top → bottom)

1. Execution & process automation (quantified)

2. Quantitative modelling & analytics (valutions / simulation)

3. Stakeholder & client management (global teams)

4. Rapid skill acquisition & technical depth

5. Leadership & mentoring

6. Communication & public speaking

7. Personal discipline & integrity

C. PERSONAL PROFILE (COMPLETE)

C1. Identity & vitals (exact)

- Full name: **Archit Dasgupta**

- Nickname(s): **Sandy** (primary), also "Archit" used normally.

- Date of Birth: **22 September 1999**

- Time of Birth: **4:20 PM**

- Place of Birth: **Cuttack, Odisha**

- Grew up in: **Kolkata** (attended Bhavans Gangabux Kanoria Vidya Mandir from Prep 1 through Class 12)

- Zodiac sign: **Virgo**

- MBTI: **INTJ (Architect)**

- Dominant hand: **Left-handed**

- Height: **~180 cm (±1 cm)**

- Weight: **~81 kg (±2 kg)**

- Usually wears spectacles

- Handwriting: "not the best" (self-described)

C2. Family (full tree & details)

Immediate family

- Father: **Debashish Dasgupta** — DOB: **5 Jan**; Occupation: Works at Computer Exchange Pvt Ltd.

- Mother: **Srabasti Dasgupta** — DOB: **7 July**; Profession: Trained Odissi dancer.

- Parents' Anniversary: **19 January**

- Sister: **Anusha Dasgupta** — DOB: **12 Feb 2004** (4.5 years younger than Archit); Education: BA Economics (St Xavier's University Kolkata), MA in International Trade (Gokhale Institute); Set to join CRISIL in 2026. Nicknames: Baby, Juju, Shonmu.

Maternal extended family (Sen)

- Maternal grandmother: **Juthika Sen**

- Maternal uncle: **Siladitya Sen** — spouse **Charlotte Sen** — child **Arush Sen** (Archit's cousin)

- Mother's maiden name: **Sen**

Paternal extended family (Dasgupta / Gupta)

- Paternal grandmother: **Shukla Dasgupta**

- Paternal aunt: **Aparna Dasgupta** — spouse **Debabrata Gupta** — children **Ishita Gupta**, **Ayushi Gupta** (cousins)

C3. Residence history & room info

- **Current city & society**: Kolkata — Green Vista society.

- **Current academic housing**: BITSoM — Room **H1-005**.

- **Prior city residence**: Bangalore — Koramangala (lived with roommates while at Bosch).

- Additional: spent childhood and schooling in Kolkata.

C4. Friends & social circle (detailed)

Roommates (Bangalore)

- **Ansh Tiwari** — from Jabalpur; Data Engineer at Accenture; MIT classmate; primary roommate at Bangalore.

- **Abhijith Menon** — from Kerala; still at Bosch; lives in Mumbai; Chelsea FC supporter; later joined the flat.

Neighbours & close friends (Bangalore)

- **Ritvik Kaul** — works at Siemens; from Delhi-NCR; Barcelona fan.

- **Clyson D'Souza** — works at Athena Health; from Dubai (UAE); MIT CSE; Chelsea fan.

- **Yashas Chakole** — instrumentation dept at MIT (different section); marathon runner & fitness freak; Data Scientist at Vivance.

- **Praneet Kasula** — MIT dept topper, later MS at Purdue (ECE), worked with Archit at Bosch until 2022; now in the US.

Context / dynamics

- These friends formed Archit's closest circle during his Bangalore years and are frequently referenced in his personal stories. Activities shared include football matches, F1 viewing, late-night project work, badminton, and local Koramangala outings.

C5. Relationship & partner profile

- Partner: **Shomoshree Chakraborty** (nickname: Mem).

- DOB: **11 July 1999**.

- Profession: Consultant — PwC Logistics Team.

- Education: Bachelors in Economics — Amity University Kolkata; Masters in Economics — St Xavier's College (Park Street).

- Residence: Howrah.

- Character note: described as smart, fun, supportive.

C6. Health and medical history (detailed)

- Suffered from **supraventricular tachycardia (SVT)** (2016–2019). Underwent successful surgery to treat condition; has since recovered.

- Allergic to **mushrooms** (explicit allergy).

- Avoids many milk-based dishes; dislikes yogurt / raita; occasional fried fish is acceptable but generally avoids fish.

- Non-vegetarian diet but does not eat **beef, rabbit,** or unconventional meats/seafoods.

C7. Food & dietary preferences (complete)

- Favourite foods: **Pizza**, **Biryani** (particularly Mani's Biryani in Bangalore).

- Dislikes: **Yogurt**, **Raita**, many milk-heavy dishes.

- Allergic to: **Mushrooms**.

- Diet: Non-vegetarian — but excludes beef, rabbit, and odd/unconventional meats. Generally avoids fish but occasionally eats battered/fried fish.

C8. Hobbies, sports & ratings (exhaustive)

Football

- Favourite club: **Arsenal FC**.

- Favourite footballer overall: **Cristiano Ronaldo**.

- Favourite Arsenal players historically: **Alexis Sánchez**, and currently **Declan Rice** (note: Declan Rice is a midfielder signed by Arsenal — included because you said now Declan Rice).

- Indian club supported: **East Bengal FC**.

- Watches football avidly; does not play well.

Cricket

- Plays as: **Left-arm bowler**, **Right-hand batsman**.

- Supports Team India and **Kolkata Knight Riders (KKR)** in IPL.

- Favourite cricketers: **Virat Kohli**, **Rahul Dravid**, **Mitchell Starc**.

Badminton

- Plays very well. Unique style: **serves with right hand, plays rest with left hand** (reason: grew up playing cricket). Runner-up in office tournament at Bosch (2/64).

Chess

- Lichess rating: **~1400**

- Chess.com rating: **~1305**

- Preferred white opening: **Jobava London**

- Preferred black defenses: **Caro-Kann**, **Semi-Slav**

Formula 1

- Supports **McLaren** team; favourite drivers: **Lando Norris** and **Max Verstappen**.

Music & Performance

- Plays guitar decently.

- Hidden talent: **Beatboxing** (very well).

- Singing: "okayish" — rarely performs in public.

C9. Entertainment preferences & travel

- Favourite TV show: **The Office (US)** — favourite character **Dwight Schrute**.

- Favourite movie: **The Big Short** — influenced Archit's interest in finance.

- Travel: widely within India; dreams of visiting **Europe** and **America** at least once.

- Prefers **beach** over mountains but enjoys both. Prefers **cooler climates** and **winter clothing**.

D. BEHAVIORAL RULES FOR THE AGENT / RAG MODEL (CONCISE ACTIONABLES)

1. **Default priority** for generic queries (e.g., "Tell me about Archit", "Introduce Archit"): return content from **Professional Profile — Section B** (A1). Do not return personal partner, family or medical facts unless the user explicitly requests personal details.

2. **If user asks personal-specific question** (e.g., "Who is Archit dating?", "Does Archit have allergies?"): return the relevant item from the **Personal Profile — Section C**.

3. **Strengths & achievements**: Always lead with **professional evidence** (Bosch & internship metrics). If asked for more personal strengths, append items from Personal section.

4. **Interview responses**: Use the canned STAR stories and the provided "Tell me about yourself" default. For shorter formats, use concise variants.

5. **Privacy note for RAG implementers**: Although this document contains personal details, retrieval policy should serve content based on intent. For the simplest approach: if query contains any of ["partner", "relationship", "girlfriend", "dating", "family", "DOB", "born", "allergy", "medical", "address", "residence"] then allow Personal section retrieval; otherwise prefer the Professional section.

6. **When summarising**: do not invent timelines or metrics not present here. Use only numbers and facts included.

7. **For persona & tone**: Provide professional, precise, and succinct answers; when asked to be conversational, adopt a warm, friendly tone but remain factual.