

Ujjwal Chopra

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PROFILE

Founder's Office intern who blends growth/strategy ownership with hands-on technical execution — equally comfortable driving market research and pricing decisions as shipping the automation and data pipelines that make growth repeatable. Currently drives strategy, analytics, and cross-team execution directly with the CEO at an **EV infrastructure startup**. Prior to this, conducted independent **research on industrial time-series sensor data** at **RWTH Aachen University (Germany)** as part of a bachelor's thesis.

WORK EXPERIENCE

Founder's Office (Intern)

Zipsure.ai (Zipbolt Innovations Pvt. Ltd.)

Feb 2026 – Present

Gurgaon, India – Hybrid

- Operate in a high-ownership Founder's Office role, working directly with the CEO on growth strategy, pricing, and product decisions.
- Built and maintain management dashboards on AWS (EC2, ECS, DynamoDB) integrating an AI agent (RAG) for real-time, reliable executive reporting.
- Developed 3 product roadmaps using a market-entry approach, conducting market research and competitive analysis to align product positioning with technical requirements across three markets: VPP, payment gateway, and battery diagnostics.

Research Intern

RWTH Aachen University – IFAS Institute

Jan 2025 – Jul 2025

Aachen, Germany – Onsite

- Spearheaded an end-to-end research study on industrial sensor time-series data, building data pipelines and validation checks to guarantee data quality.
- Evaluated multiple machine learning algorithms to maximize predictive performance, attaining 91.03% accuracy and authoring a formal research thesis detailing the findings.
- Analyzed complex datasets using SQL, collaborating across international, cross-cultural research teams.

EDUCATION

Panjab University

Bachelor of Engineering in Computer Science, CGPA: 7.98/10

Chandigarh, India

2021 – 2025

TECHNICAL SKILLS

Programming: Advanced Python (Pandas, NumPy, Matplotlib, OpenCV, ML libraries, RAG), Advanced SQL & Relational Databases (MySQL, MS SQL Server, PostgreSQL), PySpark

Dashboarding & Visualization: Power BI (DAX), Tableau

Analytics: MIS Reporting, Data Modeling, Statistical Analysis, Data Wrangling, EDA, Automation, BRD

Tools: Advanced Excel (Pivot Tables, VBA, Macros), Google Sheets, MS PowerPoint, Google Slides, MS Word

AI Tools: GPT, Claude, Gemini, GenAI Fundamentals

Cloud: AWS (EC2, DynamoDB, ECS, S3, ALB, IoT Core, Lambda), Google Analytics

PROJECTS

- **Market Intelligence & Research Automation** | *n8n, Claude API, Google Sheets* — Built an automation pipeline that aggregated market intelligence across 7 countries, cutting manual research effort by 80% – a repeatable engine for growth research.
- **Voice AI Suite — Real-Time Voice Agent & WhatsApp Bot** | *Python, FastAPI, OpenAI Realtime / Gemini Live, Twilio, Docker, AWS EC2* — Built a full-duplex speech-to-speech agent, plus an integrated WhatsApp bot; eval harness held <5% WER and <500 ms p95 latency. [GitHub](#)
- **Chatbot for Admission Portal (Team)** | *LangChain, Groq API* — Engineered an NLP/RAG conversational pipeline to streamline query resolution from admission policy PDFs. [GitHub](#)
- **Customer Churn Analysis** | *Power BI, SQL, Power Query* — Designed an interactive churn-prediction dashboard to isolate and analyze high-risk customer segments using transactional data. [GitHub](#)

CERTIFICATIONS

[Power BI for Business Intelligence](#) (Udemy)

[Supervised ML: Regression and Classification](#) (Coursera)

[Python for Data Science and ML](#) (Udemy)

[Google Analytics Certification](#) (Google Skillshop)

ACHIEVEMENTS & INTERESTS

First student in the 2025 batch to secure an international internship • Goethe-certified German (A1), self-studied to B1 proficiency

- Active in cycling, hiking, jogging and walking
- Building business case studies as a personal interest — exploring how to take a business from 0 to 1