Ishika Chokshi

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EXPERIENCE

- **JPMorgan Chase** — Mumbai, Maharashtra, IN
  Software Engineer I, CCB — *Aug 2023 - Present*
  - **Database Management**: Work with on-prem as well as public cloud databases such as Cassandra, CockroachDB, Oracle, AuroraPostgres and DynamoDB to create and maintain scalable and reliable solutions for the card business.
  - **System Quality & Performance Optimization**: Ensure the quality of data systems by implementing best practices and monitoring performance and work on optimizing the performance of data processes to meet business requirements and enhance efficiency.
  - **Infrastructure Management & Cost Optimization**: Managing database infrastructure using IaC and EaC. Recommend relevant database infrastructure based on application requirement and ensure best practices are followed with respect to FinOps

- **JioSaavn** — Mumbai, Maharashtra, IN
  Intern - Data Analyst, Business Insights — *Jul 2022 - Oct 2022*
  - **Derive Insights**: Create dashboards in Tableau & Google Sheets and identify relevant metrics. Proactively identify ways in which complex and often ambiguous business problems can be solved systematically with the help of data
  - **SQL Querying**: Run SQL queries & manipulate data using Pandas/Numpy

- **Innive, Inc** — Tampa, Florida, USA (Remote)
  Consultant (Intern) — *May 2021 - Feb 2022*
  - **Dashboard Development**: Interactive and Self-Serviced dashboards in Power BI and Qlik Sense
  - **Project Management**: JIRA Software, Agile methodologies using Scrum

SKILLS SUMMARY

- **Programming Languages**: Python, SQL, HTML, CSS, Bootstrap, JAVA
- **Frameworks**: Spring Boot, Pandas, Numpy, Matplotlib, Seaborn, Scikit, Django, React.js
- **Tools**: AWS, Terraform, MS Power BI, Qlik Sense, Google Sheets, Tableau, GIT, JIRA Software, MySQL, SQLite
- **Databases**: Aurora PostgreSQL, DynamoDB, Oracle, Cassandra, CockroachDB

CERTIFICATIONS

- **HashiCorp Certified: Terraform Associate (003)**: Basic concepts and skills associated with Terraform
- **AWS Certified Cloud Practitioner**: Validates foundational concepts of AWS
- **Microsoft Certified Data Analyst**: Passed DA-100 exam (now PL-300) on MS Power BI
- **Tableau Fundamentals**: Tableau Desktop Specialisation

EDUCATION

- **Dwarkadas J. Sanghvi College of Engineering** — Mumbai, India
  Bachelor of Technology - Information Technology; CGPA: 9.55 — *2019 - 2023*
  Courses: *Advanced Machine Learning, Business Analytics, Big Data Analytics, Statistical Analysis, DBMS, AI*

- **Alpha Junior College of Science & Commerce** — Mumbai, India
  12th HSC Science (PCM); 82.15% — *2017-2019*

- **Chatrabhuj Narsee Memorial School** — Mumbai, India
  10th ICSE Science; 97% — *2004-2017*

PROJECTS

- **Detecting Anomalies from Surveillance Videos**: Real-time surveillance system for detection of handgun, shotgun, knife (Copyrighted) and fire with an alarm system. Tech: Novel Key-frame extraction algorithm, trained YOLOv8 on custom dataset (May '23)
- **HoPE - Smart Healthcare System**: Predicting medical ailments based on prelimnary symptoms Tech: Python, Django, HTML, CSS, JavaScript, Bootstrap, Flutter, Firebase. (June '22) - Link

PUBLICATIONS

- **A Novel Approach to Key Frame Detection Using Histogram and Dynamic Clustering**: Published in Journal of Computational Analysis & Applications, 2024, Vol 33, Issue 6, p1109   Publication Link
- **Smart Healthcare System to Predict Aliments Based on Preliminary Symptoms**: Accepted at 10th ICICSE-2022 and published in LNNS Springer series   Publication Link
- **A Study on Video Analytics and Their Performance Analysis for Various Object Detection Algorithms**: Accepted and presented at 2022 IEEE IAS GlobConET and published in IEEE Xplore   Publication Link

POSITIONS OF RESPONSIBILITY

- **Vice Chairperson (Admin) at DJCSI** — Mumbai, India
  Co-leading a team of 60 students and conducting technical & non-technical events — *Aug 2021 - Sep 2022*

- **Editorial Writer at DJ Lit** — Mumbai, India
  Wrote articles for DJ Lit website and Instagram page — *Sep 2020 - Jul 2021*