

Rohit Punjabi

Mumbai, India (open to relocation) | +91 7507689062 | rohitpunja@gmail.com | rohit-punjabi.github.io

PROFESSIONAL SUMMARY

Analytics-focused software engineer with an M.S. in Computer Science, targeting Data Analyst roles. At a live-service game studio I built the player telemetry pipeline, defined the engagement KPIs that guided the roadmap, and delivered a self-serve dashboard that cut bug investigation time by 70% for product, design and QA teams. Works in SQL, MongoDB and Python (Pandas), holds 4 IBM certifications in data analysis, SQL and visualization, and uses AI tools such as Claude to speed up analysis.

SKILLS

Data Analysis: SQL, MongoDB Queries, Python (Pandas, NumPy), Excel, ETL, Data Cleaning and Validation, KPI Definition, Funnel and Retention Analysis, Time-Series Forecasting (Holt-Winters), A/B Testing

Visualization and BI: Dashboards, Data Storytelling, Plotly, Streamlit, Matplotlib, Seaborn, IBM Cognos

Databases and Cloud: MySQL, MongoDB, AWS S3

Machine Learning: scikit-learn, TensorFlow, Keras

Tools and AI: Git, Jira, Confluence, Claude for AI-assisted analysis and development

WORK EXPERIENCE

Software Engineer | Shrapnel (live-service game studio) | Seattle, WA, USA | Feb 2024 to Sep 2024

- The studio had no visibility into how players behaved during early access, so I built a telemetry pipeline from scratch (C++ event capture, MongoDB storage) tracking kills, weapon usage, movement and power-ups, creating the data foundation for product analytics across 7 live releases.
- To give product decisions a shared scorecard, defined and tracked core player KPIs (retention, session length, engagement funnels) that guided roadmap priorities.
- Product, design and QA teams needed evidence about player behavior and bugs, so I wrote MongoDB queries against the telemetry data, turned raw event logs into aggregated views, and built them into a self-serve analytics dashboard adopted by all three teams, cutting bug investigation time by 70%.
- Worked with 5+ cross-functional teams across 7 early access releases, turning their questions about player behavior into metrics and views that non-technical stakeholders could read on their own.

Tools Software Engineer | Shrapnel (live-service game studio) | Seattle, WA, USA | Aug 2023 to Feb 2024

- Image processing for the content team was manual and repetitive, so I wrote a Python script integrated with AWS S3 that automated it and cut manual workload by 30%.
- To find where internal tools slowed people down, gathered evidence through interviews and usability tests with designers, artists and power users, then prioritized fixes that improved team productivity by 80%.
- Diagnosed a critical crash-causing defect and shipped a fix that reduced crashes by 30%, protecting the integrity of data flowing into downstream pipelines.

PROJECTS

Product Sales and Demand Forecasting Dashboard | Python, Pandas, Streamlit, Plotly, Claude | Jun 2026

- Sales data was scattered across 50+ Excel files with shifting schemas and inconsistent naming, so I built a Python ETL pipeline that consolidated 3,600+ product records into one clean dataset.
- Wrote automated cleaning and validation rules that caught schema changes, naming inconsistencies and inventory anomalies before any analysis ran.
- Built interactive Streamlit and Plotly dashboards for sales, inventory and demand, backed by Holt-Winters forecasting models that drive stockout alerts, safety stock and reorder-point metrics.
- Shipped it as a standalone app so non-technical users generate forecasts on their own, using Claude throughout to speed up the build and debugging.

Convolutional Neural Network Image Classifier | Python, TensorFlow, NumPy, Matplotlib | Feb 2023

- Built and evaluated an image classification model, using normalization and resizing to prepare the data and accuracy and validation curves to diagnose performance and guide each iteration.

EDUCATION

Master of Science in Computer Science | DigiPen Institute of Technology, Redmond, WA, USA | 2021 to 2023

Bachelor of Engineering in Information Technology | Thadomal Shahani Engineering College, Mumbai | 2017 to 2021

CERTIFICATIONS

IBM (2026): Data Analysis with Python | Databases and SQL for Data Science with Python | Data Visualization with Python | Python for Data Science, AI and Development