

Amruta Bhat

Jersey city, NJ, US

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Professional Experience

Data Analyst, Trust and Safety, Google, NYC

January 2022 - present

- Led end-to-end development of internal fraud detection and response tools targeting cloaking, phishing, and malware in Google Ads; collaborated with engineering, policy, and UI/UX teams to define product features and roadmap.
- Applied SQL, Python, and internal ML-based tools to detect and analyze large-scale fraud patterns, contributing to reduced risk exposure across advertising ecosystems.
- Acted as incident response lead for high-impact fraud cases; coordinated with cross-functional teams including product managers, leadership, and Trust & Safety to ensure resolution.
- Developed and launched automated solutions to enforce internal fraud and content policies, improving efficiency by 84%.
- Conducted post-incident analyses to derive KPIs and optimize system performance, influencing roadmap updates and future policy enforcement strategies
- Actively contributed to risk mitigation strategy, leveraging analytics and stakeholder insights to drive innovation in product capabilities.

Security Engineer, Securonix, Jersey City, NJ

November 2018 - January 2022

- Implemented and maintained Securonix's SIEM platform (Snypr) for banking and fintech clients, working directly with SOC and internal security teams to tailor detection capabilities and optimize threat response.
- Led fraud detection analytics by designing custom detection rules and risk scoring models across industries, with a focus on identifying insider threats, account takeover, and policy violations.
- Translated customer requirements into technical solutions, often presenting product capabilities and use case implementations during client workshops.
- Designed real-time dashboards and alerting systems to visualize threat metrics and performance indicators.
- Collaborated across engineering and support teams in an agile environment to deliver prioritized features, fix performance bottlenecks, and incorporate customer feedback.

Faculty Assistant, Syracuse University, Syracuse, NY

August 2016 – May 2018

- (Gravity Spy: Citizen Science project that helps LIGO researchers to detect gravitational waves)
- Performed data analysis and visualization on large datasets to support LIGO researchers in detecting gravitational waves.
- Generated actionable insights to foster increased user involvement using R and Python
- Presented data visualizations to the research team which contributed to research papers for the project
- Improved data management by optimizing databases for efficient user engagement tracking

Project Leader at iConsult, Syracuse University, Syracuse, NY

September 2017 – May 2018

- Led 6 student teams to develop websites and business marketing strategy projects for startup clients
- Hired student applicants according to the project requirements to build effective teams
- Managed projects in an agile environment giving weekly deliverables to ensure positive feedback
- Consulted with clients to plan feasibility of end deliverable and budget constraints for product delivery

Education

Syracuse University, School of Information Studies, Syracuse, NY

GPA: 3.95 out of 4

M.S., Information Management, Certificate of Advanced Studies in Data Science

May 2018

- Scholarship: Information Management Faculty Engagement Scholarship
- Specialized Courses: Advanced Data Analysis, Information Visualization, Project Management, Enterprise Risk Management, Content Policy Compliance, Information Systems Analysis and Design, Business analytics

University of Mumbai, Vidyalkar Institute of Technology, Mumbai, India

GPA: 3.87 out of 4

B.E., Information Technology

May 2016

Technical skills and Certifications

Certifications:

- Advanced Google Analytics – Google Analytics Academy
- 98-363: MTA: Web Development Fundamentals – Microsoft
- Android Certified Programmer – Suven Consultants

Analytics & Machine Learning:

- Data Visualization & Reporting, Data Analysis, Predictive Modeling, Anomaly Detection, Risk Scoring, Clustering, Fraud Detection Strategy, Threat Pattern Recognition, Content Policy Enforcement
- SQL, Python, R, SAS

Security & Fraud Tech:

- SIEM (Snypr), Splunk, Threat Intelligence, Insider Threat Detection, Incident Response

Cloud & Data Platforms:

- Experience working with internal Google Cloud tools; Familiarity with AWS and Big Data tools (Hadoop, PySpark, MapReduce)

Soft Skills & Collaboration:

- Cross-Functional Team Leadership, Product Roadmap Development, Agile Project Management, Client-Facing Communication