

SACHIN YELNE

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EDUCATION

Georgia Institute of Technology, College of Computing
Bachelors of Science in Computer Science

December 2025
GPA: 4.0/4.0, Summa Cum Laude

SKILLS

Languages: Python, Java, C/C++, JavaScript, TypeScript, SQL, Hack/PHP, Bash, HTML, CSS

Web & Backend: React, Angular, Node, Express, MongoDB, Firebase, Django, Flask, GraphQL, RESTful APIs, JWT Auth, OpenAI API

Cloud & DevOps: AWS (Lambda, S3, EC2, SageMaker), GCP (Cloud Functions, Firestore, BigQuery), Docker, Git, CI/CD

EXPERIENCE

Meta

New York City, New York

Software Engineer Intern, Generative AI

May 2025 – August 2025

- Delivered **instant, accurate data** for 5 most-searched query types (stocks, people, weather, sports, trending topics) by building **high-performance PHP/C++ retrieval-augmented generation (RAG) pipelines** that integrate internal data and search APIs. Reduced hallucinations and boosted user trust
- Cut user information-extraction time by building **reusable React widgets** with strongly-typed GraphQL service contracts, delivering rich, structured, interactive answers with key details surfaced for instant action
- Introduced **Threads data** as a new retrieval source by designing document schema, ranking logic, and safety checks — improving coverage for 50K+ trending search prompts daily
- Collaborated with 3 cross-functional teams to standardize context-document formats and prompt routing, adding **15+ automated tests** and monitoring hooks to ensure consistent enrichment and widget health in production

Tale

Atlanta, Georgia

Co Founder, CTO

Sept 2025 – Present

- Launched a **real-time sports betting marketplace**, generating \$5,000+ in subscription revenue by enabling bettors to monetize strategies through performance-based subscriptions.
- Built backend infrastructure with **Firebase Cloud Functions** and **Firestore** to process 10K+ high-frequency bet updates per minute with sub-100 ms latency, powering live leaderboards and analytics dashboards
- Built **Angular** frontend with real-time WebSocket connections for live leaderboards, advanced filtering across 50+ betting categories, and interactive analytics dashboards processing **100K+ data points**
- Integrated **Stripe** payments with custom fraud-prevention workflows to eliminate chargebacks and ensure seamless subscriptions

JPMorgan Chase

Columbus, Ohio

Software Developer Intern, Risk and Fraud Team

June 2024 – Aug 2024

- Automated **fraud model performance** reporting for Chase credit card using Python and SQL, cutting generation time by 96% (8 hours → 20 minutes) and enabling near real-time model monitoring
- Evaluated Population Stability Index (PSI) for 26 fraud detection models, detecting performance drift and providing **retraining recommendations** that reduced recalibration frequency from weekly to bi-weekly.
- Engineered **Python + Apache Spark pipelines** to aggregate and transform fraud model performance data from multiple sources, creating a reliable, query-ready dataset for dashboards and retraining analysis
- Built Flask-based RESTful APIs to deliver real-time **fraud model metrics to dashboards** used by 400+ analysts

General Dynamics, IT

Falls Church, Virginia

Software Engineer Intern, Luna AI Platform

June 2023 – Aug 2023

- Developed Python **preprocessing CI/CD pipeline** to convert **2 million+ HR documents** (.docx, .pdf, .xlsx, .jpeg) into text format and load into AWS S3 for ML model training
- Built and fine-tuned BERT-based NLP classification model on AWS SageMaker, achieving 91% F1 score for document categorization
- Deployed production ML system** on AWS EC2, enabling HR teams to automatically upload and categorize documents at scale

LEADERSHIP & PROJECTS

Startup Exchange | Director of Strategic Initiatives

Nov 2022 – Present

- Collaborated with 50+ startup leaders and business owners to evaluate production strategies, enhancing startup growth and innovation
- Organized quarterly events hosting over 2,000 attendees, spearheading initiatives that increased member engagement by 30%

Diabetes and Chronic Disease Systems VIP | Researcher

Jan 2024 – Present

- Analyzed 200+ data columns with Pandas/NumPy, identifying diabetes risk factors using Random Forest to guide professionals
- Developed D3.js visualizations and generated heatmaps/confusion matrices to communicate complex research findings
- Delivered insights to medical professionals by validating model efficacy and visualizing feature correlations (Pearson Coefficient)

Midtown Housing | Personal Project

March 2023 – June 2025

- Built full-stack web application for Midtown Atlanta college students to post and find subleases using React, Node.js, Express, and MongoDB with Google Maps API integration
- Implemented advanced search and filtering by price, location, and amenities, facilitating 60+ sublease transactions with 40% faster search compared to Facebook groups