

Ojas Suratkar

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Los Angeles, CA

Education

- **California State University, Long Beach** Expected May 2027
M.S. Information Systems (AI/ML track) GPA: 4.0/4.0
 - Coursework: Database Management, Business Data Analytics, Machine Learning, Systems Analysis
- **Ramrao Adik Institute of Technology, D.Y. Patil University** Aug 2021 – May 2025
B.Tech Electronics & Telecommunication (Specialization in AI) CGPA: 9.42/10

Experience

- **Student Developer (Full-Stack), Institutional Research & Analytics, CSULB** Jan 2026 – Present
 - Built and maintained analytics web applications using **Python, FastAPI, and Next.js** to support institutional reporting, accreditation, and compliance use cases.
 - Engineered **REST APIs** and **ETL pipelines** for structured academic and administrative datasets, reducing recurring report generation time by **40%**.
 - Automated document ingestion and backend deployment workflows using **Google Document AI** and **Google Cloud Run**.
- **Instructional Student Assistant, Department of Finance, CSULB** Sep 2025 – Dec 2025
 - Administered academic records, grading pipelines, and LMS workflows for undergraduate and graduate finance courses.
 - Coordinated exam logistics, course scheduling, and departmental academic operations across faculty and students.
 - Supported instructional delivery and academic administration.
- **Machine Learning Engineer Intern, IETE – RAIT** Dec 2023 – Jan 2024
 - Developed **SummarEase**, an NLP system for summarizing PDFs, YouTube videos, and web-based content using transformer-based architectures.
 - Integrated the **YouTube Transcript API** and optimized ingestion pipelines, reducing the processing latency by **30%**.
 - Fine-tuned **BERT-based models** to improve summarization coherence and relevance using internal evaluation metrics.
- **AI/ML Facilitator, Google Developer Student Clubs (GDSC), RAIT** Sep 2022 – Aug 2023
 - Designed and delivered structured learning tracks on Python-based machine learning fundamentals.
 - Led hands-on workshops to translate theoretical AI/ML concepts into applied, example-driven understanding.
 - Contributed to AI-focused initiatives engaging **100+ students**.

Projects

- **InventiFlow — Python, SQL, Supabase, Next.js, Power BI** Apr 2025
 - Developed a supply chain analytics platform supporting demand forecasting, inventory planning, and order simulation.
 - Improved simulated demand–supply alignment by **30–40%** using predictive modeling and simulation logic.
 - Designed interactive **Power BI** dashboards and implemented role-based access control using **Supabase Auth**.
- **MumBus — Python, FastAPI, Supabase, React Native, Mapbox API** Jun 2024
 - Designed a public transport route optimization system using **DBSCAN** clustering and congestion pattern analysis.
 - Integrated **Mapbox API** for real-time geospatial routing and monitoring.
 - Improved simulated transport efficiency by **25%**.
- **Career Matrix — Python, FastAPI, RAG, CrewAI** Mar 2024
 - Built an AI-powered career advisory platform leveraging resume parsing and job-description gap analysis.
 - Generated personalized recommendations, reducing manual research effort by **70%**.

Technical Skills

- **Languages:** Python, SQL, JavaScript, C
- **Backend & Web:** FastAPI, Flask, React, Next.js, React Native
- **Data & ML:** Pandas, Scikit-learn, Transformers, RAG
- **Databases & BI:** PostgreSQL, MySQL, Supabase, Power BI, SPSS, Alteryx, Databricks
- **Cloud & DevOps:** Google Cloud Platform (Cloud Run, Cloud SQL, Document AI), Docker, Git, LangFlow

Achievements

- Top 5 finalist at **KLEOS 2.0 Hackathon** among 1,900+ teams.
- Winner, **IETE–RAIT Winter Internship Program**.
- E-Diploma in Business Analytics — **Harvard Business School Online**.