

Sahil San

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EDUCATION

University of California San Diego

B.S., Artificial Intelligence

- **Coursework:** Data Structures & Algorithms, Discrete Math, Linear Algebra, Object Oriented Programming, Machine Learning, Natural Language Processing, Probability & Statistics

PROFESSIONAL EXPERIENCE

Bidflow

Jun 2025 - Present

Founding Software Engineer

New York

- Built ML-assisted document-processing workflows to detect and count electrical devices in construction-plan PDFs, streamlining takeoff review for contractors and lighting vendors.
- Developed validation workflows that enable estimators to verify AI-generated counts before export.

IBM

May 2026 - Sep 2026

Machine Learning Engineer Intern

New York

- Built synthetic transaction generators on Red Hat OpenShift to validate hybrid-cloud integrations, reducing workload runtime from ~10 minutes to ~30 seconds.
- Integrated automated validation workloads into CI pipelines with QA and SWE teams, expanding end-to-end coverage and release confidence for hybrid-cloud deployments.

StarDrive

Mar 2026 - Aug 2026

Software / ML Engineer

San Francisco

- Developed simulation, control, and motion-planning components for FieldSpace, a deterministic physics-based autonomy platform for warehouse and forklift workflows.
- Built and tested services for experimental physics-based AI compute systems, supporting model integration, deployment, and evaluation in early-stage R&D environments. [SahilSanNASA-1.pdf](#)

DevPlaza

Jan 2026 - Aug 2026

Founding Machine Learning Engineer

San Francisco

- Built end-to-end ML pipelines for code intelligence, search, and recommendations using Python, including model serving, monitoring, and production-feedback iteration.
- Improved code-search relevance through semantic retrieval and reliability-focused workflows, incorporating production feedback into model evaluation and iteration.

Waymo

May 2025 - Aug 2025

Machine Learning Researcher

Mountain View

- Designed synthetic-data-generation pipelines to train and evaluate ML models, expanding edge-case coverage beyond limited real-world datasets. [SahilSanNASA-1.pdf](#)

SKILLS

- **Languages:** Python, JavaScript, TypeScript, SQL, Bash
- **ML / AI:** PyTorch, TensorFlow, Model Evaluation, Synthetic Data, Model Serving
- **Systems:** Docker, Kubernetes, OpenShift, CI/CD, Microservices, FastAPI, Linux, Git, GitHub

PROJECTS

Resonant Worlds Explorer [RWE](#)

Oct 2025

- Largest Global Hackathon Winner (Python, React, FastAPI, Cloud Run).
- Built an AI-powered system for exoplanet detection and biosignature scoring on NASA datasets using ML pipelines and physics-based validation.
- Developed an end-to-end platform with a FastAPI backend and React frontend, deployed on Cloud Run with logging and automated data refresh to support interactive exploration of model outputs.

Publications

- Sahil San, DevPlaza. *Technical report on hybrid code intelligence, semantic retrieval, and AI-assisted reliability workflows for pull requests, CI logs, issues, and static analysis.* [DevPlaza Technical Report](#)