

RONIT SATISH MEHTA

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EDUCATION

B. Tech in Computer Science and Engineering (Data Science)

SVKM's Dwarkadas J Sanghvi College of Engineering, Mumbai

(August 2023 – July 2026)

- **CGPA: 8.98/10** | **Top 20%** of department

Diploma in Computer Engineering

Thakur Polytechnic, Mumbai

(August 2020 – July 2023)

- **Percentage:92.34%** | **Gold Medalist** of Department

PROFESSIONAL EXPERIENCE

Digital Forensics Analyst | Deep Cytes Cyber Labs

June 2024 – Present

- Developed intelligent **Automated Data Capture Systems** and a comprehensive **Forensics Toolkit**, increasing data acquisition efficiency by over **90%**.
- Engineered a scalable **SaaS Automation Platform** compatible with **100+ data formats**, streamlining enterprise operations and workflows.
- Built an automated **Eavesdropping Photo Capture App**, cutting down manual intervention and task complexity by **85%**.
- Authored comprehensive **technical documentation** for **10+ legacy forensic tools**, driving a **70%** rise in community adoption and contributions.

Machine Learning Engineer Instructor | Glimpse EdTech Ltd., Mumbai

May 2024 – June 2024

- Designed a structured **6-week ML curriculum** covering **12+ modules**, mentoring over **50 students** in applied machine learning.
- Directed the execution of **25+ real-world ML projects**, earning an exceptional **instructor rating of 4.9/5.0**.
- Delivered hands-on instruction in **core and advanced topics**, ensuring a job-ready learning experience for participants.

Software Engineering Intern | Nibodh Educare Pvt Ltd

June 2022 – August 2022

- Spearheaded development of an EdTech platform supporting over **2000+ schools**, providing seamless hosting and backend services.
- Implemented an intelligent **SEO Recommender System** to match users with schools, achieving an **89%** engagement rate.

PROJECTS

Algo Arena - Federated Learning Model Market Place | FL, Blockchain | (2025)

- Invented the **ARENA Score** metric (Accuracy + Cosine Similarity + Spectral Norm + K.L.D), improving test accuracy by **+34.83%**.
- Deployed a **dual-layer blockchain** for federated updates, cutting gas fees by **50%** and doubling consensus speed.
- Surpassed federated learning baselines by **+5.27%** with **50% faster convergence**, demonstrating enhanced efficiency, privacy, and scalability.

Cross chain UPI System| Polygon, Bitcoin | (2025)

- Built a **secure cross-chain payment system** on Polygon, handling **1,000+ daily transactions**.
- Optimized **bridging algorithms**, cutting transaction time by **98%** (24 hours to **10 minutes**).
- Developed **smart contracts**, ensuring secure transactions exceeding **\$100K**.

Drishti.ai – Real time GenAI Misinformation Detection | NLP, GenAI, Next.js | (2025)

- Crafted an **AI-powered dashboard** that aggregates data from **100+ news sources** for **sentiment, bias, and credibility analysis**.
- Created a **claim verification pipeline** that executes **real-time evidence searches** and **scoring** via **Google** and **Gemini**.

TECHNICAL EXPERTISE

- **Software Development:** Python , Java, C++ ,Go,JavaScript (React.js), **Data Structures**, **OOP**,Problem-solving
- **Machine Learning:** TensorFlow, scikit-learn, **Deep Learning**, Model Deployment, **MLOps**, **LLM fine-tuning**, RESTful APIs
- **Data Engineering & Storage:** SQL, MongoDB, **ETL Pipelines**, Data Warehousing, **Apache Kafka**, **Hadoop HDFS**,Selenium
- **Cloud & DevOps:** AWS, Docker,Render, Linux,**Git**,CI/CD
- **Soft Skills:** Analytical thinking, **Effective communication**, Team collaboration, Adaptability, Problem-solving

ACHIEVEMENTS

- **Winner**,Code For Good Hackathon By**J.P Morgan Chase Co.** | 1st out of 50+ teams **(2025)**
- **Winner**, Quantathon-24, **IIT Roorkee** | 500+ teams **(2024)**
- **Champion**, Hacker House Goa | Best blockchain project among 8,000+ participants **(2024)**
- **Winner**, "Coherence 1.0" by **Microsoft** | Recognized for cloud & blockchain innovation **(2024)**
- **1st Runner-Up**, LOC 6.0 Hackathon & VJTI Technovanza | 400+ teams & Excellence in innovation **(2024)**