

Ram Shindijamekar

shindijamekar.1101@gmail.com — www.linkedin.com/in/ram-shindijamekar — ramshindijamekar.vercel.app

SUMMARY

AI Engineer with 1 year of hands-on experience in applied machine learning and system integration. Proficient in Python, data workflows, and RESTful APIs, with a focus on building scalable, production-ready AI solutions. Currently deepening expertise in Generative AI and Agent systems.

EDUCATION

- **Shri Sant Gajanan Maharaj College of Engineering** Shegaon, India
Bachelor of Engineering *August 2019 - August 2023*

WORK EXPERIENCE

- **KhetiBuddy Agritech Pvt. Ltd.** Pune, India
Junior Software Engineer *July 2024 – Present*
 - Took end-to-end ownership in developing and deploying a production-grade system used by 8 enterprise clients, integrating ML pipelines, automated web scraping, and scalable data migration across the full software lifecycle.
 - Solely developed an AI model by fine-tuning Segment Anything to map fields in real time from satellite tiles.
 - Built an ETL pipeline that cleaned, validated, and migrated client data with 100% integrity across Databases.
 - Deployed a multi-tenant Apache Superset setup with RBAC and auto dashboards, reducing setup time by 80%.
 - Delivered real-time data processing improvements, contributed to POCs, and enabled dynamic client reporting.
 - Engineered an anomaly detection tool that flagged data issues on ingest, cutting manual checks by 60%.
 - Contributed to designing and integrating 15+ stable APIs, supporting backend development and assisting with full-stack integration while collaborating closely with the team across modules.

PROJECTS

- **Terrasynapse: Scalable Geo-Data Extraction, Validation & Migration System**
 - Streamlined migration of 200K+ structured rows across 7 normalized tables, enhancing performance for clients.
 - Engineered a scraping and machine learning validation system to enable structured data migration.
 - Extracted and processed 150K+ geospatial records at 30 rows/sec, cutting processing time and efforts drastically.
 - Implemented ML models for automated data validation and correction, improving data accuracy and consistency.
 - Coordinated scraping, validation, and migration layers, ensuring data integrity and client satisfaction.
- **RacketDL: Tennis Match Insights and Performance Analytics**
 - Developed a tennis analytics system using YOLOv8 to track players and tennis balls with 95% precision.
 - Trained a custom CNN in PyTorch to extract 10+ key court points for accurate player positioning analysis.
 - Applied deep learning and object tracking techniques across 30+ video frames to capture game dynamics.
 - Used OpenCV to preprocess and annotate 20+ high-resolution match videos, reducing manual effort by 70%.
 - Implemented a match analytics pipeline managing insights, automating performance report generation.

SKILLS

- **Machine Learning and AI:** Python, Scikit-learn, PyTorch, Deep Learning, Natural Language Processing (NLP), Generative AI, Large Language Models (LLMs), LangChain, Predictive Modeling, Computer Vision, Statistical Analysis
- **Data Engineering and Analytics:** ETL Pipelines, Data Validation, Exploratory Data Analysis (EDA), Data Visualization, Web Scraping, Power BI, Microsoft Excel, Apache Superset
- **Software and Web Development:** REST API Development, Docker, DVC, Git/GitHub, CI/CD, HTML, CSS
- **Databases:** MySQL, MongoDB

PUBLICATIONS

- Research on the Detection of Brain Tumor Using MRI Images in Machine Learning, IEEE-INSCIRD, April 2023.