

SHASHANK REDDYHALLI RAKESH

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EDUCATION

University of California San Diego Master of Science in Data Science	2025 – Present
Visvesvaraya Technological University Bachelor of Engineering in Computer Science and Engineering	2021 – 2025

PROFESSIONAL EXPERIENCE

UC San Diego — GFH Clerical Assistant • Beyond administrative support, automate manual workflows into internal tools that save staff hours.	Mar 2026 – Present
Digitide — Data Scientist Intern • Powered business decisions by building end-to-end ML pipelines (EDA, features, NLP) over 100k+ records . • Reached a 0.98 F1 score in production by shipping tuned predictive & time-series forecasting models.	Feb 2025 – Jun 2025
UAS Dharwad — Product Manager, AgriTech • Owned product strategy & built a university-backed AgriTech marketplace for startups to onboard & sell.	Mar 2025 – Aug 2025
Blueed — Research & Development Intern • Powered product decisions for 2,000+ active users by building WaitKyu's data & analytics backbone . • Lifted UX by shipping ML-powered insights and rigorously tested, reliable features.	Jul 2024 – Nov 2024
Bharat Intern — Data Science & ML Intern • Developed predictive ML models for survival analysis & classification, reaching ~92% accuracy. • Lifted model performance through rigorous feature engineering, EDA & pipeline optimization.	Jan 2024 – Mar 2024
VOIS — AIML Intern Oct-Nov'23 EdVedha — Full Stack Web Developer Intern Nov'23-May'24 IBM -Cyber Security Intern Oct-Nov'23 UniConverge Technologies-SDE Intern & Mentor May-Aug'23	

PROJECTS & PUBLICATIONS EXPERIENCE

AudioVeritas – Deepfake Audio Detection System • Engineered an SVM deepfake-audio detector on MFCC/spectral features, 95.7% accuracy. • Published and secured funding to advance the work in media forensics & cybersecurity.	IJRASET66025
Deep Learning Approach for Early Colorectal Cancer Detection using Speech Biomarkers • Built a CNN for early colorectal cancer detection from vocal biomarkers (non-invasive, low-cost). • Optimized model performance for reliable recognition in real-world applications.	IJRASET63556
Hierarchical Deep Learning for Robust Intrusion Detection in Evolving Security Landscape • Designed a hybrid DL+ML intrusion-detection system with an adversarial-example detector . • Achieved accuracy gains under adversarial conditions with optimized use of compute.	IJRASET58300
Security Issues and Defensive Approaches in Deep Learning Frameworks • Mapped attacks to defenses across deep-learning frameworks in a practical threat-model taxonomy. • Delivered a blueprint for trustworthy, secure AI in production deployments.	IJRASET57752
Certifying Text Classifiers vs Levenshtein Attacks – Reproducing LipsLev (ICLR 2025)	Medium

COMMUNITY LEADERSHIP & ENTREPRENEURSHIP (reaching 100,000+ globally)

TechForge Club - Founder & President Oct'23-Jul'25	Cybernity - Co-Founder, intl. May'20-May'25
ParrotSec (HTB) - India Lead & Global Moderator Mar'20-Jun'25	FOSS United - Chapter Lead Sep'23-Aug'25

SKILLS & ACHIEVEMENTS

Technical Skills: Python, SQL, R, C++, Java, JavaScript; PyTorch, TensorFlow, Scikit-learn, XGBoost, Transformers, NLP; LLMs, RAG, Hugging Face, LangChain, LoRA/PEFT; AWS, Docker, Git, MongoDB
Awards: **1st place & 6th globally**, SmashHack ML Hackathon (UC San Diego & NSF HDR); *Outstanding Achievement & Contribution Award* (JNNCE); *Runner-up, Hack for Hire* (Anvesana TBI)
Certifications: Data Science for Engineers (NPTEL), Python Course (Google - Coursera), Ethical Hacking (zSecurity)