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LinkedIn Profile | GitHub Profile

Experience

Software Engineering Intern, Unbound Security (YC S24)   May 2025 – Present
- **Migrated core infrastructure from GCP to AWS**, reducing monthly operational costs by 15%.
- **Optimized secrets detection pipeline**, cutting false positives/negatives and strengthening data security.
- Built a **SQL editor** inside Django admin to streamline internal query execution, improving data analysis speed for engineering teams.
- Designed and implemented a robust system for analyzing **Claude code** prompts, leveraging MD5 hashing to identify and chain related prompts across user sessions.

Skills

Languages	Python, C++, Java, JavaScript, TypeScript
Libraries and Frameworks	Django,Pytorch, Langchain, CrewAI, RAG, NestJS
Platform and Tools	Docker, K8s, AWS, GCP, Celery, Linux, Git

Projects

MANAGE_MONEY - AI-driven personal finance tracker   GitHub Link
- Developed a personal finance tracker with **OCR-based transaction parsing** and AI-powered budgeting recommendations.
- Containerized and deployed with Docker for **scalability and smooth multi-user performance.**

SONIC_K8s - Distributed Kubernetes Transcoding Service   GitHub Link
- Architected a **fault-tolerant video-to-audio transcoding service** on Kubernetes with RabbitMQ for high-throughput message queuing.
- Implemented **dynamic autoscaling** of worker pods, cutting average processing time by 40% and reducing operational costs.

SMART_SCREENSHOT - OCR-based sensitive content detection in screenshots   GitHub Link
- Built a **data loss prevention system** to identify and mask API keys, passwords, and confidential text in screenshots.
- Designed batch-processing pipelines for **high-volume screenshot ingestion**, ensuring scalability and reliability.

PSG_TECH_FOUNDATION_DAY_2025 - Platform for managing events on Foundation day 2025   GitHub Link
- Engineered a full-stack platform (React + NestJS) supporting **document uploads, event registration and nominations.**
- Streamlined award nomination process, handling **100+ participants** with automated validations and confirmations.

FOOD_VISION - CNN-Driven Food Recognition with Transfer Learning   GitHub Link
- Built a deep learning image classification model using CNNs and transfer learning (EfficientNet), achieving high accuracy across diverse food categories on a custom dataset
- Architected a modular preprocessing pipeline with image augmentation and normalization, improving model generalization and reducing overfitting during training

Education

PSG College of Technology   August 2022 – May 2027
M.Sc. (Integrated) Data Science   CGPA: 8.01/10

Achievements & Activities

- Designed and deployed the official **CALDAM 2025** conference website, handling registrations and event workflows for **1,000+ participants**, recognized with a **Letter of Appreciation** from the President of ACSDM.
- Ranked in **Top 5** at multiple regional chess tournaments, showcasing advanced strategic thinking and problem-solving skills.