

Datta Sai Adithya Vinjamuri

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PROFESSIONAL SUMMARY

Motivated and analytical Computer Science graduate student at CSU Channel Islands with hands-on experience in building and deploying machine-learning-based applications. Proficient in Python, scikit-learn, TensorFlow, and AWS cloud tools. Experienced in end-to-end project development from data preprocessing to model deployment, with strong problem-solving and collaborative skills. Passionate about applying ML solutions to real-world challenges in data-driven environments.

SKILLS

- AI/ML frameworks proficiency and data visualization
- AWS architecture and deployment
- Proficient in Docker and containerization
- Full-Stack: Python, Flask, React/Next.js, JavaScript, HTML/CSS
- Mobile (in progress): React Native, Expo
- Experience with bcrypt authentication and APScheduler

EDUCATION

California State University, Channel Islands - Camarillo, CA | Master of Science

Computer Science , Expected in 12/2025

- GPA: 3.7

Lovely Professional University - Phagwara, Punjab, India | Bachelor of Science

Computer Science And Engineering, 08/2023

EXPERIENCE

STUDENT ASSISTANT | 04/2024 to Current

CSUCI - Camarillo, CA

- Provided excellent customer service to students and staff at the front desk, addressing inquiries and concerns promptly. Managing approximately 30 incoming calls, emails from students everyday.
- Performed clerical tasks such as photocopying, scanning documents efficiently while maintaining confidentiality when necessary.
- Supported administrative staff with data entry tasks, ensuring accuracy in recordkeeping systems.
- Completed special projects assigned by supervisors within specified deadlines while balancing regular duties effectively.
- Provided support in developing a AI Chabot for our department through prompt engineering. Reduced unnecessary emails, phone calls by 35% in 4 months.
- Acted as a Lead Student assistant and a council member for hiring new student assistants.

INTERESTS

- Custom OS(mobiles) testing and development
- Archery
- Art Exploration

PROJECTS

1) Movie Recommendation System

Dynamic full-stack web application delivering personalized film suggestions via machine learning. Built on a Python Flask backend, responsive HTML/CSS/JavaScript frontend, and SQLite for data persistence. Key features include:

- **ML-Powered Personalization:** Analyses user preferences to recommend films
 - **Interactive UI:** Card-based movie displays with smooth flip animations
 - **Rich Movie Details:** Fetches posters, ratings, genres & trailers via TMDB API
 - **Full-Stack Architecture:** Seamless integration of backend, frontend & database layers
- Tech:** Python, Flask, HTML/CSS, JavaScript, TMDB API, SQLite

2) AI-Powered Penetration Testing Platform

Comprehensive full-stack cybersecurity application combining Nmap, OWASP ZAP & SQLMap orchestration with advanced AI analysis (Google Gemini 1.5 Pro). Built on a Python Flask backend in a Docker-containerized microservices architecture. Key features include:

- **AI Integration:** Gemini-driven scan analysis, risk assessment & Q&A with caching & rate limiting
- **Machine Learning:** Random Forest model for automated risk scoring
- **Real-time CVE Monitoring:** NVD API fetcher for up-to-date vulnerability intelligence
- **Reporting:** Automated PDF/HTML/JSON report generation with professional styling & data visualization
- **Security & Scheduling:** Bcrypt auth, session management, secure API keys; APScheduler-powered cron scans with DB persistence & management UI
- **Kali Linux Integration:** Embedded terminal environment for hands-on testing

Tech: Python, Flask, Docker, SQLite, NLTK, scikit-learn, Google Gemini API, OWASP ZAP, Nmap, SQLMap, Kali Linux, HTML/CSS/JavaScript

RELATED COURSE WORK

AWS Academy Cloud Developing (2024)

- S3, IAM, Lambda, API Gateway, DynamoDB, Elastic Beanstalk, ECS
- ElastiCache, CloudFront, SNS/SQS, Kinesis, CI/CD (CloudFormation, SAM)

AWS Academy Machine Learning Foundations (2025)

- SageMaker pipelines, Autopilot, Forecast, Rekognition, Comprehend, Polly, Translate, Lex, Amazon Q Developer (gen-AI)