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About Me

Computer Science undergraduate with hands-on experience in AI engineering, data analysis, and full-stack development. Skilled in Generative AI, Microsoft Office tools, and scripting automation. Proven leadership and event management experience with strong research, documentation, and multitasking abilities.

Education

National University of Malaysia   August 2021 − August 2025
Bachelor's Degree in Computer Science with Honour
- Dean's Award for first semester 2021/2022 session.
- Dean's Award for second semester 2021/2022 session.
- Vice President of Student Associations Faculty of Information Science and Technology.

Work Experience

The National University of Malaysia   **Bangi, Selangor**
AI Engineer   May 2025 - Present
- Architected and implemented an advanced deepfake detection system leveraging ResNeXt-50 feature extraction, BiLSTM temporal modeling, and attention mechanisms for enhanced video analysis accuracy.
- Engineered frame-by-frame detection pipelines extracting up to 30 representative frames per video, applying Haar cascade–based face detection and preprocessing for optimal inference results.
- Integrated multi-modal analysis by combining AI predictions with metadata extraction (ffprobe) and RSA-based integrity verification to strengthen media authenticity checks.
- Developed and deployed Flask-based APIs for AI inference, metadata analysis, and secure file handling, enabling seamless integration into React/Next.js web applications.
- Designed user-facing web interfaces with real-time progress feedback, probability visualization, and frame analysis summaries, improving transparency and trust in AI decisions.
- Automated CI/CD deployment pipelines with GitHub Actions to streamline updates and scale the system in cloud environments.

CyberSecurity Malaysia   **Cyberjaya, Selangor**
Cyber Risk Intelligence Intern   August 2024 - January 2025
- Researched LLM fine-tuning methods (LoRA, RAG) and supported LLMOps for AI-driven cybersecurity applications.
- Designed custom data preprocessing pipelines for dark web text data, including entity extraction, anonymization, and domain-specific
- Integrated vector databases (Pinecone) with RAG workflows for real-time retrieval of relevant threat intelligence during inference.
- Authored 30 reports on Malaysian data breaches from the dark web, analyzing threat actor behavior and exposure risks.
- Conducted dark web monitoring and supported detection of malicious actors targeting Malaysian organizations.

Skills

Natural Language Processing (NLP)
- Achieved 97.2% accuracy in sentiment classification by preprocessing 15,000 tweets with VADER and training models (Naive Bayes, Random Forest, SVM) using TF-IDF features.

Image Recognition/Annotations
Chronic Myeloid Leukemia (CML) Classification Model
- Developed a YOLOv5-based classification model using clinical and image data to diagnose Chronic Myeloid Leukemia (CML), achieving 97% accuracy on 250 annotated blood sample images.

CI/CD
- Experienced in designing and implementing Continuous Integration and Continuous Deployment pipelines using GitHub Actions and GitLab CI/CD.
- Automated build, test, and deployment processes for web and AI-based applications, improving delivery speed and reducing deployment errors.

Leadership Experience

Student Association of Faculty of Information Science and Technology　　　　　August 2022 – July 2023
Vice President
- Lead two Executive Committee which is *"Alumni dan Warga"* and *"Hal Ehwal Luar dan Antarabangsa"* consist total of eight members.
- Successfully supervised four and director of two mega events.

University's Activity

Student Parliament National University of Malaysia 8th Session　　　**Dewan Senat, Aras 5, Bangunan Canselori, Universiti Kebangsaan Malaysia**
Representative　　　11th June 2022
- Parliament has the duty of exercising checks and balances on the executive branch of the government, which is charged with the responsibility of making decisions and taking actions.

References

Prof. Dr. Siti Norul Huda bt. Sheikh Abdullah
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