Aadhyanth Yennamaneni

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Summary

Competent and results-driven Computer Science student at VIT Chennai with strong skills in Java, Spring Boot, and backend development. Experienced in building full-stack ML applications, RESTful APIs, and deploying models using Flask and Streamlit. Certified AWS Cloud Practitioner with hands-on expertise in cloud, databases, and agile development.

Education

Vellore Institute Of Technology — CGPA-8.24/10   *Sept 2021– Sept 2025*
Bachelor of Technology in Computer Science and Engineering
Narayana Junior College — Marks-896/1000   *June 2019 - June 2021*

Technical Skills

Languages: Java, Python, C++, SQL, HTML, CSS
Technologies & Skills : Oracle 11g Database, MongoDB, AWS Cloud, Full Stack Development, DSA
Data Tools : NumPy,Keras,Tensorflow,Scikit-Learn,Flask,AWS(EC2,S3,IAM,Lambda),Machine Learning Frameworks.

Experience

ATMECS Technologies — Java Developer Intern   *Sep 2023 – Dec 2023*
- Enhanced module performance by 20 percent through efficient database queries.
- Developed solutions with integration RESTful APIs using Java 8 language and the Spring Boot framework.
- Partnered with designers and product managers to align technical solutions with business requirements
- Contributed to the full software development lifecycle (SDLC) by writing unit-tested, production-ready Java code, ensuring smooth integration.

InternPe — Web Development Intern   *Sep 2023 – Oct 2023*
- Built and deployed full-stack web applications, strengthening backend and frontend improving response times by 15%.
- Designed and implemented an e-commerce website using HTML, CSS, and JavaScript.
- Applied modern UI/UX principles to create an adaptive user interface, increasing usability and engagement across devices.

Projects

COVID-19 Detection using chest X-Ray   *COVID19-detection* ↗
- Developed an AI-based diagnostic tool using Convolutional Neural Networks to detect COVID-19 from X-ray images.
- Achieved 94 percent accuracy, demonstrating the potential of AI for fast and non-invasive screening in healthcare.
- Deployed the trained model as a Flask web application, enabling real-time X-ray upload, automated preprocessing, and instant diagnostic predictions with user-friendly results.

AgriVision: The Ultimate Farmer's Helper   *Agri-vision* ↗
- Built a full-stack ML application to predict crop yield, recommend suitable crops, forecast prices, and detect plant diseases using transfer learning (DenseNet121).
- Integrated with Flask backend and admin dashboard, achieving over 90 percent accuracy in disease detection and improving farmers' decision-making efficiency.

Emotion Detection Through Human Voice   *Emotion-detection* ↗
- Developed a Streamlit-based emotion detection system enabling audio file upload, signal processing (MFCC, Mel spectrograms), and real-time emotion prediction with interactive visualizations.
- Implemented noise reduction, normalization, and feature engineering techniques to enhance model robustness.
- Conducted a comprehensive review of literature and methodologies in emotion recognition, integrating insights from linguistics, psychology, and computer science to refine system design.

Certifications

Oracle Student Learning - Java — Dec 2023

AWS Certified Cloud Practitioner — Jan 2024

CS406 - Information Security — Feb 2024