STEVE JACOB THOMAS
AI ENGINEER/DATA SCIENTIST

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I am an accomplished student specializing in machine learning and deep learning, with proficiency in Python, TensorFlow, and. My professional history is characterized by a consistent record of developing innovative AI models that substantially enhance performance and contribute to progress. Dedicated to leveraging cutting-edge technology to solve real-world challenges, I ensure the delivery of quantifiable outcomes. As a proficient communicator with robust interpersonal skills, I excel in collaborating with diverse teams to transform complex AI concepts into actionable business strategies.I am steadfast in my commitment to driving innovation and achieving organizational objectives through advanced niche technological solutions.

EXPERIENCE

Brain- AI Lab|Kyungpook National University
Machine Learning Intern
June 2022- July 2024

- Specialized Skills Gained: Proficient in developing AI classification models, programming frameworks for signal analysis, research paper publication, dataset creation using Python and Openvibe software, and hands-on experience in machine learning and signal processing techniques.
- Completed a 2-year internship at Brain AI LAB, developing an AI-driven model for hand gesture classification from sEMG muscle signals with 95% accuracy; authored a detailed research paper on the project.
- Led the creation of a custom dataset using Python and Open vibe software, enhancing research capabilities in the brain-computer interface technology domain.

Crimson Energy Experts PVT.Ltd
AI Solutions Architecture Intern New Delhi, India
June 2021- August 2021

- **Specialized Skills Gained:** Advanced proficiency in developing and applying machine learning techniques, skilled in data analysis techniques, Experienced in managing projects within government sectors, and effective communication with stakeholders.
- Contributed significantly to AI-driven Maritime Anomaly Detection projects for high-profile clients such as the Mauritius Government and the Indian Navy, enhancing maritime surveillance systems through advanced AI framework application, data analysis, and system design under expert guidance.
- Executed complex data analysis to improve data navigation and algorithmic processing, while developing strong interpersonal skills to effectively communicate and collaborate with government officials on critical project deliverables.

Crescendo Corporation
Procurement Manager
December 2021-Feb 2022

- **Specialized Skills Gained:** Proficiency in procurement management, project coordination, supplier relationship management, and navigating specialized manufacturing environments.
- Oversaw procurement for a Mauritius government project at Crescendo Corporation, leading the design and outfitting of a mobile Crime Scene Analysis lab with advanced forensic equipment from key suppliers like Fischer Scientific and Horiba.
- Managed vendor relations, negotiated contracts, and coordinated timely deliveries, ensuring high-quality acquisitions and strict adherence to project specifications.

Centre for Development of Advanced Computing (CDAC)
Mobile Health Solutions Analyst Intern
February 2021- July 2022

- Explored smartphone sensors for non-invasive health monitoring, assessing their potential applications in healthcare.
- Conducted extensive research and literature reviews on smartphone sensor technologies to determine their relevance to health monitoring.
- Surveyed the current use of smartphone sensors in non-contact monitoring of health parameters.
- Analyzed and documented findings in a comprehensive report, emphasizing the capabilities and potential applications of smartphone sensors in healthcare.
- Developed expertise in research and analytical skills, focusing on emerging healthcare technologies and mobile device applications.

ACHIEVEMENTS

- Selected as an incubated in the **MSME program** for pioneering concepts in **anomaly maritime detection and A.I smell detection**, recognizing innovative approaches in technology.
- Earned a coveted spot in the KNU exchange program due to academic excellence, ranking among the **top 5 students in the B.Tech program.**
- Secured first place and awarded a **prize of 700,000 won** at the **Daegu startup idea competition** for the innovative maritime anomaly detection project, demonstrating exceptional problem-solving skills.
- **Awarded 500,000 won** and the title of **"director" at the idea making competition at KNU**, highlighting leadership and creativity in idea development.
- Invited by crimson energy to **present innovative A.I solutions at a defense-focused indo-us conference** in New Delhi, establishing valuable connections with key industry partners.

EDUCATION

HIGH SCHOOL   (2017 - 2020)
WYNBERG ALLEN SCHOOL, MUSSOORIE

UNDERGRADUATE   (2020 - 2024)
CHRIST UNIVERSITY,BENGALURU
B.Tech in CS & ELECTRONICS spl.(AI/ML)

KYUNGPOOK NATIONAL UNIVERSITY   (2022 - 2024)
DAEGU
B.Tech in Electronics (Major)
AWARDED TO PURSUE DOUBLE DEGREE EXCHANGE PROGRAMME IN SOUTH KOREA

TECHNICAL SKILLS

Python, Java, SQL, C++	**Pandas, NumPy, OpenVibe**	**Team Leadership & Communication**
Tableau, PowerBi, Matplotlib, Excel	**Negotiation & Marketing Skills**	**Market & Quant Research**
TensorFlow, Keras, Scikit-Learn	**Docker, Git, Jupyter Notebooks**	**Client Relationship Management**

CERTIFICATIONS

- Python 100 Days - (Udemy)
- Python for Data Sceince and Machine Learning
- Transformer Models and BERT Model - Google Cloud
- Encoder-Decoder Architecture - Google Cloud
- Reinforcment Learning

- Excel VBA & Pivot Tables
- SQL for Data Science
- Power Bi & Tableau
- Google Digital Marketing Course
- Tensorflow & SciKit-Learn

PROJECTS

- Portfolio Website using HTML, CSS and Javascript CLICK HERE
- Data Science Projects on Market Research CLICK HERE
- SQL Project on Covid Data CLICK HERE
- Project on Developing a Trading Bot Using Transformer API CLICK HERE
- Semg Classification Using Machine Learning(CNN & LSTMS) CLICK HERE
- Reinforcement Learning (PPO vs qLearning vs DecisionTransformers)
- Research On Drone Technology Using Decision Transformers forReinforcment Learning