


STEVE JACOB THOMAS

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 [Website Portfolio](#) Daegu,Bukgu,South Korea

AI ENGINEER/DATA SCIENTIST

Experienced AI Engineer specializing in machine learning, deep learning, skilled in Python, TensorFlow, and PyTorch, with a track record of developing innovative AI models that enhance performance and drive progress. Dedicated to leveraging technology to solve real-world challenges and deliver measurable outcomes. Effective communicator with strong interpersonal abilities, adept at collaborating with diverse teams to translate intricate AI concepts into strategic business initiatives. Committed to driving innovation and achieving organizational goals through advanced technological solutions.

EDUCATION

HIGH SCHOOL

WYNBERG-ALLEN SCHOOL,MUSSOORIE

2017-2020

UNDERGRADUATE

CHRIST UNIVERSITY ,BANGLORE

2020-2022

KYUNPOOK NATIONAL UNIVERSITY,DAEGU

2022-2024

AWARDED TO PURSUE DOUBLE DEGREE PROGRAMME

LANGUAGES

FLUENT IN:

ENGLISH,HINDI & MALAYALAM

CONVERSATIONAL:

KOREAN

TECHNICAL & SOFT SKILLS

Python, Java, SQL, C++
Tableau, PowerBi, Matplotlib, Excel
TensorFlow, Keras, Scikit-Learn

Pandas, NumPy, OpenVibe
Negotiation & Marketing Skills
Docker, Git, Jupyter Notebooks

Team Leadership & Communication
Market & Quant Research
Client Relationship Management

PROFESSIONAL EXPERIENCE

Brain- AI Lab|Kyungpook National University

June 2022- August 2024

Machine Learning Intern

Daegu, Republic of Korea

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 two-year internship at Brain AI LAB, mentored by Professor Ahn Sangtae.
- Architected a cutting-edge AI-driven model and programming framework to analyze sEMG muscle signals for hand gesture classification, leveraging open datasets; delivered a 95% accuracy rate.
- Authored a research paper detailing methodologies and outcomes of the hand gesture classification project.
- Leading the development of a custom dataset utilizing Python and Open vibe software for advanced research and classification projects.
- Gained practical experience in machine learning, signal processing, and research methodologies within the brain-computer interface technology domain.

Crimson Energy Experts PVT.Ltd

June 2021- August 2021

AI Solutions Architecture Intern

New Delhi, India

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 to AI development for Maritime Anomaly Detection projects serving high-profile clients, including the Mauritius Government and the Indian Navy.
- Enhanced maritime surveillance systems by developing deep knowledge of AI frameworks, conducting data analysis, and implementing system design principles and backend computations under expert guidance.
- Performed complex data analysis crucial for project success, enhancing data navigation and algorithmic processing capabilities.
- Developed strong interpersonal skills to facilitate effective communication and collaboration with government officials on critical project deliverables.

Specialized Skills Gained: Proficient in assessing sensor technologies for healthcare applications, skilled in conducting thorough literature reviews to support research findings, experienced in analyzing data to identify potential applications and implications, and enhanced research capabilities in emerging healthcare technologies.

- 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.

Crescendo Corporation
Procurement Manager

December 2021-February 2022
New Delhi, India

Specialized Skills Gained: Proficiency in procurement management, project coordination, supplier relationship management, and navigating specialized manufacturing environments.

- Served as Procurement Manager for a Mauritius government project at Crescendo Corporation, overseeing all procurement activities.
- Led the design and budgeting for a custom Crime Scene Analysis lab within a mobile unit, managing all related procurement efforts.
- Identified and procured state-of-the-art forensic analysis equipment, including DNA analyzers, GCMS, crime scene kits, UV torches, spectrometers, and specialized software.
- Cultivated strong relationships with key suppliers, including Fischer Scientific and Horiba, ensuring high-quality product acquisitions.
- Managed vendor relations, negotiated contracts, and coordinated timely equipment delivery to meet project specifications.

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.

CERTIFICATIONS

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

PERSONAL 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](#)
 - Svm Classification Project using CHEN Architecture(Cnn &Bi-LSTMs) [CLICK HERE](#)
 - Reinforcement Learning (PPO vs qLearning vs Decision Transformers)
 - Research On Drone Technology Using Decision Transformers for Reinforcement Learning
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