STEVE JACOB THOMAS

AI ENGINEER

CONTACT
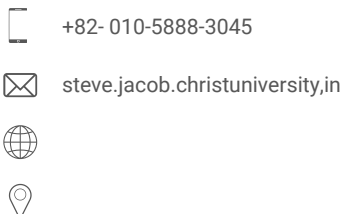
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SKILLS

- Creative and Innovation
- Technical competence
- Problem solving skills
- Quantitative Research
- Project Management
- A.I and reinforcement learning
- Critical thinking
- Market Research
- Attention to detail
- Adaptability and Flexibility

EDUCATION

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

UNDERGRADUATE (2020 - 2024)
CHRIST UNIVERSITY,BENGALURU

B.Tech in CS &ELECETRONICS spl.(AI/ML)
(2020 - 2022)

KYUNGPOOK NATIONAL UNIVERSITY (2022 - 2024)
DAEGU

B.Tech in Electronics (Major)
**AWARDED TO PURSUE DOUBLE DEGREE EXCHANGE
PROGRAMME IN SOUTH KOREA**

STRENGTHS

**Public Speaking
& Networking**

**Domain
Expertise**

**Innovation &
Creativity**

PROFILE

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.

WORK EXPERIENCE

Intern

Crimson Energy Experts pvt.Ltd (New Delhi)   JUN 2021-SEPT 2021

Here's a concise block of bullet points summarizing my internship experience at Crimson Energy:

- Contributed to AI development for Maritime Anomaly Detection projects for prestigious clients, including the Mauritius Government and the Indian Navy.
- Developed a deep understanding of AI frameworks, and conducted thorough data analysis, system design principles, and backend computations, ensuring project alignment to optimize maritime surveillance systems under the guidance of seasoned industry veterans.
- Analyzed intricate datasets crucial to project success, refining data navigation and algorithmic skills.
- Cultivated strong interpersonal skills, fostering seamless project communication and collaboration with government officials.
- **Specialized Skills Gained:** Proficiency in machine learning algorithms, data analysis techniques, project management in government sectors, and effective communication with stakeholders.

Intern Researcher

Centre for Development of Advanced Computing   JUN 2021-AUG 2021
CDAC

- Explored smartphone sensors for non-invasive health monitoring, evaluating their potential applications.
- Conducted thorough research and literature review on smartphone sensor technologies relevant to health monitoring.
- Surveyed current utilization of smartphone sensors for non-contact health parameter monitoring.
- Analyzed and documented findings in a detailed report, highlighting capabilities and potential applications.
- Developed research and analytical skills in emerging healthcare technologies and mobile devices.
- **Specialized Skills Gained:** Proficiency in evaluating sensor technologies for healthcare applications, conducting comprehensive literature reviews, analyzing data for potential applications, and enhancing research and analytical capabilities in emerging fields.

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Procurement Manager
Crescendo Corporation

DEC 2021-FEB 2022

- Served as Procurement Manager for a Mauritius government project at Crescendo Corporation, overseeing all procurement activities.
- Led procurement and budgeting efforts for manufacturing a custom Crime Scene Analysis lab within a mobile unit.
- 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 such as Fischer Price and Horiba, ensuring the acquisition of high-quality products.
- Managed vendor relations, negotiated contracts, and ensured timely equipment delivery to meet client specifications.
- **Specialized Skills Gained:** Proficiency in procurement management, project coordination, supplier relationship management, and navigating specialized manufacturing environments.

Student Research Analyst
Brain- AI Lab

JUN 2022-2024

- Completed a year-long internship at the Brain AI LAB under the mentorship of Professor Ahn Sangtae.
- Developed an AI classification model and programming framework to analyze surface electromyography (sEMG) muscle signals for hand gesture classification, utilizing publicly available datasets.
- Published a research paper detailing the outcomes and methodologies of the hand gesture classification project.
- Currently spearheading the creation of a custom dataset using Python and Openvibe software for ongoing research and classification endeavours.
- Acquired practical experience in machine learning, signal processing, and research methodology within the brain-computer interface technology domain.
- **Specialized Skills Gained:** Proficiency 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.

EXTRA COURSES

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

PERSONAL PROJECTS

- Python 100 Days - (Udemy)
- Python for Data Sceince and Machine Learning
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My goal in life has always been to continuously expand my capabilities and excel in diverse fields—a value instilled by my idol, who inspires me daily to strive for excellence. This aspiration drives my ability to learn quickly and adapt seamlessly to new challenges and industries.

I am writing to express my interest in the [Job Title] position at [Company Name], as advertised [where you found the job listing]. With a strong background in AI development, research, and innovative projects, I am excited about the opportunity to contribute to your team.

During my tenure as an intern at Crimson Energy, I gained hands-on experience in AI development for maritime anomaly detection projects commissioned by government entities such as the Mauritius Government and the Indian Navy. I was involved in implementing machine learning algorithms and data analysis techniques to enhance surveillance systems, which significantly broadened my technical expertise and problem-solving skills.

Furthermore, my internship at the Brain AI LAB at KNU under Professor Ahn Sangtae's guidance equipped me with advanced skills in developing AI models and conducting research on surface electromyography (sEMG) signals for hand gesture classification. I successfully published a paper on this project and am currently working on creating custom datasets using Python and Openvibe software, further advancing my capabilities in machine learning and signal processing.

In addition to my technical experiences, I have been recognized for my innovation and entrepreneurial spirit. As an incubatee in the MSME program, I developed groundbreaking ideas such as Anomaly Maritime Detection and AI Smell Detection. I also received awards, including Second place in the Daegu Startup Idea Competition and KNU Idea Making Competition, which demonstrate my ability to turn innovative concepts into tangible solutions.

Moreover, I had the privilege of representing Crimson Energy at a defense-focused Indo-US Conference in New Delhi, where I showcased our AI solutions and established connections with industry partners.

I am particularly excited about the opportunity at [Company Name] because of [specific reasons related to the company, such as its innovative projects or mission]. I am confident that my skills, experiences, and passion for AI technology make me a strong candidate for this position.

I possess a unique blend of technical expertise in AI development and a strong business acumen, allowing me to approach challenges with a comprehensive perspective that drives innovation and business success. Thank you for considering my application. I am looking forward to the possibility of contributing to [Company Name] and am eager to discuss how my background, skills, and achievements align with your team's needs. I am available at your earliest convenience for an interview and can be reached at [Your Phone Number] or [Your Email Address].

SINCERELY,

STEVE JACOB THOMAS