Kamesh R

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EDUCATION

Sathyabama Institute of Science and Technology   Chennai, IND
Bachelor of Engineering in Computer Science with Specialization in AI and Machine Learning   *Sep. 2022 – May 2026*

EXPERIENCE

Co-Founder   Oct. 2023 – Present
Diagnostic Labs   *Chennai, IND*
- Initiated the development of a customized Local Language Model (LLM) to address unique medical needs.
- Established a global presence by locating offices in Chennai, Johannesburg, Dallas, and Bangalore.
- Directed AI model refinement for a specialized diagnostic framework addressing healthcare challenges in underserved communities.

Sponsorship Committee Lead   Nov. 2023 – Present
Youth United Council of India   *Chennai, IND*
- Secured sponsorships as Head of Sponsorship Committee for upcoming competitions hosted by YUCI.
- Trained and led a team of 20 members, enabling them to successfully employ tools and practices for optimal performance.
- Executed effective sponsorship strategies, demonstrating meticulous planning and relationship-building skills for impactful event outcomes.

Technical Team Member   Nov. 2023 – Present
Google Developer Student Clubs   *Chennai, IND*
- Demonstrated expertise in programming languages such as Python and used machine learning libraries, contributing to the development of innovative projects within the Google Developer Student Clubs (GDSC).
- Fostered inclusive, creative collaboration within multidisciplinary teams.
- Earned Google Cloud Platform certifications, showcasing dedication to industry best practices.

Deep Learning Teaching Assistant   Sep. 2023 – Present
Sathyabama Institute of Science and Technology   *Chennai, IND*
- Delivered engaging lectures on fundamental machine learning concepts to 22 students.
- Collaborated with the course instructor to organize and curate materials for a seamless learning environment.
- Contributed to continuous refinement of course content, enriching the educational experience by aligning with diverse learning preferences.

PROJECTS

QuantStock Insight   Sep. 2023 – Nov. 2023
- Conducted comparative study on ML and Quantum ML for stock price prediction.
- Developed a robust framework to assess performance in traditional and Quantum ML for stock prices.
- Extracted valuable insights on Quantum ML's potential in stock price prediction.

Proton Collision nJets Forecast   Jun 2023 – Sep. 2023
- Implemented a TensorFlow neural network for predicting nJets in CERN proton collision datasets.
- Constructed and trained a deep learning model with varied layers and activation functions to capture complex collision patterns.
- Achieved an impressive 92% accuracy in predicting the number of jets in collision events through thorough model evaluation.

TECHNICAL SKILLS

Languages: Python,SQL,Matlab
Frameworks: Tensorflow, Keras, Scikit-Learn, JAX
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm
Libraries: pandas, NumPy, Matplotlib, Seaborn, XLA