

# Ram Srikanth

Computer Science Engineer — Quantum Computing & ML Enthusiast  
Exploring Networking, Embedded Systems & Quantum Circuits in Machine Learning  
Email: sriramkanth123@gmail.com — Contact: +91 8610357516  
Amrita Vishwa Vidyapeetham, Chennai

## Education

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### B.Tech Computer Science and Engineering

Currently pursuing B.Tech at Amrita Vishwa Vidyapeetham, Chennai, with a CGPA of 8.5. Strong focus on system architecture, data science, and problem-solving.

## Technical Skills

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### Programming Languages

JavaScript, Java, Python, C, C++, SQL

### Database and Big Data

MySQL, MongoDB, Cassandra, Apache Hadoop, Apache Hive

### Software Development

Data Structures, Algorithms, OOP, OS, Computer Networks

## Projects

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### TMBL Banking System (March 2023 - April 2023)

Developed a secure online banking platform using Python, MySQL, HTML, CSS, and JavaScript. Implemented multi-layer security with Network SSID Hashing, IP verification, and OTP authentication.

### Smart Dustbin (July 2024 - Present)

Designed an AI-powered waste categorization system using Raspberry Pi and Python. Integrated odor-detecting sensors to assess biodegradable waste and developed a real-time monitoring app.

## Research Undertakings

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### Optimization of 7G Networks with Hybrid AI Model (Aug 2023 - Nov 2023)

Explored AI-driven network optimization using Transformer models and Reinforcement Learning to enhance predictive analytics and real-time performance.

### Hybrid CNN Patched with Quantum Computing Layer (Aug 2024 - Present)

Developed a Quantum-Classical Hybrid Model for image classification, integrating quantum circuits for feature extraction and optimizing stabilization between quantum and classical layers.

## Achievements

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### First Place - COCOPOLY (2025)

Secured 1st position in Cocopoly, a competitive programming contest testing Python, JavaScript, and core CS concepts.

### Finalist - DecoDox 2025 Hackathon

Shortlisted for the final round in the Business Use Case Challenge at DecoDox 2025, NL Dalmia, Mumbai.

## Certifications

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### Oracle Academy Java Certification (May 2024)

Completed under Corporate Industry Relations, covering Java OOP, data structures, and standard libraries.

### Data Science and Machine Learning in Python (June 2024)

Certified in statistical modeling, predictive analytics, and machine learning.

### Infosys Springboard - Java Language Features (Jan 2025)

Completed a specialized course in Java Language Features.