# Aakash LS

Mahalingapuram, Chennai-34

📞 +91-9841738989　✉ aakashsarath@gmail.com　in linkedin.com/in/aakash-l-s-　 github.com/AakashArvind

## Education

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| **Madras Institute of Technology, Anna University** | May 2020 – May 2024 |
| *BTech in Information Technology* | *9.86/10* |

### Relevant Coursework

- Data Structures and Algorithms
- Database Management Systems
- Object-Oriented Programming
- Machine Learning
- Web Development and Technology
- Computer Networks
- Deep Learning
- Internet of Things (IoT)

## Experience

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| **BNY** | **July 2024 – Present** |
| *Software Engineer (Analyst)* | *Chennai, India* |

- Implemented Kafka migration with redelivery of failed messages, enhancing resiliency and fault tolerance in the Workflow Approval Project for Account Maintenance while developing robust backend APIs using Spring Boot and SQL.
- Contributed to mobile development by executing ESBoot migration and addressing critical vulnerability fixes in both Android and iOS applications.
- Developed custom Angular charts to analyze on-prem vs. cloud performance, presenting solutions to optimize performance in Azure cloud environments.

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| **BNY** | **Jan 2024 – Jun 2024** |
| *Full Stack Development Winter Intern* | *Chennai, India* |

- Designed intuitive tooltips, aiding investors in informed decision-making and reducing data misinterpretation risks by 25%.
- Automated version control and bidirectional access, increasing efficiency by 95% by developing backend APIs and integrating with Angular-based frontend screens from scratch.

## Projects

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| **Post Kidney Transplant Revolutionizing Project** | Mar 2024 – Apr 2024 |
| *Project* | |

- Developed a project using ML, Blockchain, and AI to monitor and improve the mental and kidney health of post-transplant patients.
- Implemented Custom Neural Networks and utilized the stacking ensemble method to detect kidney rejection.
- Integrated Hamiltonian Test to evaluate patients' mental health pre and post-transplant.

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| **Secure MultiFile Transfer** | Sep 2023 – Oct 2023 |
| *Project* | |

- Facilitated secure simultaneous transfer of multiple files involving patients' medical data, images, and videos using ECC, Digital Signature, and AES.
- Streamlined the exchange of critical healthcare data to ensure confidentiality and integrity.

## Awards & Certificates

- Gold Medallist, Anna University - Graduated with a top score of 9.86/10.
- Best Male Outgoing Student, MIT - Recognized among all departments for outstanding academic, coding, and extracurricular achievements, along with 5 additional academic excellence awards.
- Winner of various coding, group discussion, and aptitude events in intra and inter-college competitions (Jan 2021 – Present) LeetCode Profile
- Earned 30+ certifications in areas such as Machine Learning, Cloud Computing, Kafka, including AZ-900 certification from Microsoft, Google, Coursera, Udemy.

## Technical Skills

**Languages**: Python, Java, C++, HTML/CSS, JavaScript, SQL
**Technologies/Frameworks**: Angular, Spring Boot, Oracle SQL, MySQL, Flask, Kafka, Shell Scripting
**Developer Tools**: VS Code, Eclipse, Android Studio, IntelliJ, GitLab, GitHub, VMAD, Sonarlint, Datatheorem

## Interests

**Interests**: Exploring New Technology, Problem Solving, Playing Chess, Badminton, Keyboard