

# SRIRAM NUTHI

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## EDUCATION

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- **University Of Southern California** Los Angeles, USA  
*Master of Science in Computer Science* August 2023–May 2025 (expected)
- **Amrita Vishwa Vidyapeetham** Bengaluru, India  
*Bachelor of Technology in Computer Science & Engineering; CGPA: 9.05 / 10.0* July. 2018–June 2022

## TECHNICAL SKILLS

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- **Languages:** Java, C, JavaScript, Python, HTML, CSS.
- **Tools & Technologies:** Spring, ReactJS, Linux, Jenkins, Git, Jira, Junit, EJS, NPM scripts, Node.js, JQuery, Express.js, REST, SOAP, Docker, SQL, MongoDB, Cryptography, Firebase Firestore, Bootstrap.

## PROFESSIONAL EXPERIENCE

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- **AppViewX** Bengaluru, India  
*Software Engineer* August 2022–July 2023
  - Prevented possible network outage of over **100 customers** by upgrading the procedure for code signing certificate issuance from obsolete browser-based key generation to hardware security module based to comply with industry standards, before the earliest customer certificate renewal date.
  - Reduced the manual effort of the customer by 90% by implementing certificate attributes dropdown to associate with each certificate.
  - Optimized discovery of certs in the product which boosted the revenue of the company from a specific customer by 15% by enabling keystore module.
  - Solved major business use case of key pair rotation on renewal of certs and adding remaining days of validity to the newly renewed cert thereby reducing the customer expenditure.
  - Successfully migrated DigiCert certificates CertTypes from Old Nomenclature to New Nomenclature in **O(1) Time Complexity** by utilizing efficient query framing techniques to handle constant-sized queries and performed a bulk update on the database saving the customer cloud operational charges.
  - Integrated OpenTrust CA Custom Attributes into AppViewX, resulting in 100% increase in availability of OpenTrust meta-data attributes in the inventory, by ensuring seamless linkage of the fetched attributes to the corresponding certificates while performing certificate discovery from the certificate authority.
- **AppViewX** Bengaluru, India  
*R & D Software Development Intern* February 2022–August 2022
  - Maximized operational efficiency by 50% by implementing RBAC (Role Based Access Control) for Opentrust CA certificate profiles.
  - Reduced customer effort by 75% by implementing drill down dashboard showing PKI stats (Number of Monitored certificates & keys, Root CAs, Intermediate CAs, Revoked Certificates, Renewed/Reissued Certificates).
  - Achieved 100% certificate expiry transparency by implementing Root & Intermediate certificate expiry alerts.
  - Enhanced application security by 30% by making sure the code is robust to cross-site scripting attacks.

## PROJECTS

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- **IntelliProc:** Pioneered a Dual Camera Proctoring System for remote exams, leveraging mobile and webcam integration to ensure academic integrity and prevent malpractice. Tech: NodeJS, React.
- **Hostel Management System:** Led a group of 3 and developed a web application to digitize and streamline hostel record-keeping, facilitating seamless interactions among students, wardens, and chief wardens. Priorities for this project are set from the view of DBMS concepts like normalization, efficient design. Tech: NodeJS, MySQL.

## ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

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- HoneyWell Hackathon 2021 - Winner.
- ACM Data Hack 2019 - Winner.
- Deputy of Technology at AIS (Association of Indian Students) Club at University of Southern California.
- Event & Web Lead of FACE (Forum For Aspiring Computer Science Engineers) Club during undergrad.