

Tarunvishaal L

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PROFILE

Pursuing a Bachelor's degree in Computer Science and Engineering at Rajalakshmi Engineering College with a CGPA of 8.18. Certified Pega System Architect with strong Java programming skills and experience in team leadership, problem-solving, and efficient design implementations. Eager to apply my technical skills and project experience in software development or system architecture roles within an innovative organization.

EDUCATION

- B.E. Computer Science and Engineering, Rajalakshmi Engineering College - CGPA: 8.18
- HSC, Prince Matriculation Higher Secondary School, 2021 - Score: 93.04%
- SSLC, Prince Matriculation Higher Secondary School, 2019 - Score: 94.60%

INTERNSHIP EXPERIENCE

- **Intern, IIT-Delhi (New Delhi, India | 2023)**
 - Upgraded a **Java-based GPU simulator** to support NVIDIA's Ampere architecture, focusing on simulation accuracy and energy efficiency.
 - Modified **XML schemas** to accommodate new GPU parameters, enabling detailed configuration and improved data handling.
 - Leveraged **Java's object-oriented programming and multithreading** to build efficient, reliable simulation logic and gained in-depth knowledge of **GPU architecture** and optimization.
- **Intern, National Small Industries Corporation Limited (NSIC) (Embedded Systems with AI & IoT | 2022)**
 - Completed a week-long training on AI and IoT integration with embedded systems, developed an AC to DC converter circuit, and gained practical insights into industrial embedded systems.

PROJECTS

- **Arduino Based Water Quality Surveillance**
 - Developed a monitoring system using Arduino Uno for water turbidity, integrating sensors and an LCD display for real-time assessment.
- **Indian Currency Classifier Using Deep Learning**
 - Built a CNN model to classify Indian currency notes, enhancing feature extraction and recognition accuracy through deep learning techniques.
- **Customer On-boarding in a Bank (PEGA Use Case)**
 - Designed and implemented a PEGA use case for onboarding new bank customers, managing processes like account creation, loan requests, credit card applications, and money transfers.

SKILLS

Technical Skills:

- Programming Languages: Java, C, Python, CUDA
- Web Development: HTML, CSS, JavaScript
- Software: Adobe Photoshop, Pega, UiPath Studio
- Other Skills: Embedded Systems, Computer Architecture

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Soft Skills:

- Leadership, Team Management, Effective Communication, Problem Solving, Project Planning, Adaptability, Analytical Thinking, Attention to Detail

CERTIFICATIONS

- Certified Pega System Architect
- RPA Design and Development v4.0 in UiPath
- Advanced Computer Architecture (NPTEL)
- GPU Architectures and Programming (NPTEL)
- Embedded Systems Design with ARM (NPTEL)
- Data Structures and Algorithms Using Java (NPTEL)

LANGUAGES

- English - Fluent
- Tamil - Fluent