PARESH NATARAJAN

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OBJECTIVE

Highly motivated individual with Bachelor's degree in Electronics and Communication Engineering seeks to get admission from a reputable university to pursue a Master's program in Information Systems.

EDUCATION

SRM Institute of Science and Technology			Chennai, India
B. Tech in Electronics and Communications Engineering	77%		June 2017 - May 2021
SBOA School and Junior College			Chennai, India
High Secondary school	78%		June 2015 - June 2017
Velammal Vidyalaya	9.8 CGPA		Chennai, India
High School			May 2012 - June 2015

PROFESSIONAL WORK EXPERIENCE

Cognizant Technology Solutions   Chennai, India
Role: Intern   Feb 2021- June 2021

Responsibilities:
- Learnt to design web pages, apply Java programming for problem-solving
- Learnt about SQL Server Database and built SPA using Angular.
- Also got hands-on on how to convert a monolithic application to a Microservices architecture and deploy a web application to Cloud.

- Technical Skills: HTML, CSS, JavaScript, AWS, SpringBoot
- Soft Skills: Teamwork, Time Management, Communication, Presentation skills.

Cognizant Technology Solutions   Chennai, India
Role: Junior Software Engineer   July 2021- Present

Responsibilities:

- Working in Cloud Production which includes AWS Cloud, Docker, Kubernetes, and Oracle SQL DB.
- Deployment of Microservices using AWS and Azure DevOps for the Client - Centrica, UK.

- Technical Skills: AWS, Docker, Kubernetes, and Azure
- Soft Skills: Leadership, Time Management, Communication, Logical Thinking

ACADEMIC PROJECTS

Name: Design of Low-Latency 1024-bit Montgomery Multiplier based on Vedic Multiplication

Institute Name: SRM Institute of Science and Technology   Feb 2021 - June 2021

- The goal of this research was to produce a faster implementation model for modular multiplication.
- The efficiency of the implementation is measured by computing power, energy consumption, and memory usage.
- The proposed method of 1024-bit Multiplier using the Montgomery algorithm was implemented to increase the efficiency. Hence, this played a key role in improving the speed of cryptographic operations.
- Technical Skills: Python, Design Implementation in Verilog.
- Soft Skills: Time Management, Teamwork, Presentation skills, Report writing.

Name: Waste Disposal System

Institute Name: ExpertsHub   Dec 2017 - Jan 2018

- This project was implemented using Internet of Things.
- Developed it to segregate waste into three types using an ultrasonic sensor.
- Python code was used to enable the sensor to place the respective waste in three distinct categories.
- Technical Skills: Python and Raspberry Pi.
- Soft Skills: Presentation skills, Leadership, Teamwork, Logical Thinking.

SKILLS

- Programming: C/C++, HTML/CSS, JavaScript, SQL.
- Miscellaneous: Linux, Shell (Bash/Zsh), Docker, Microsoft Office, Kubernetes, Git.
- Soft Skills: Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

INTERESTS

- Linux: Since 2017, I have been in love with Linux. I recently switched to Mac OS, which feels like a premium of Linux.
- Video Games: I always had the gaming gene. I mostly play on my phone and occasionally on my PlayStation.
- Swimming: I started learning swimming in Singapore when I was 12. Going through submerged things while holding my breath was the most exciting part.
- Music: I enjoy all types of music may it be melody, pop, EDM and rap.

LANGUAGES

- English - *Professional proficiency*
- Tamil - *Native proficiency*