

SUGANTHAN SV

ELECTRONICS AND COMMUNICATION ENGINEERING

CONTACT

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EDUCATION

Bannari Amman Institute of Technology

2023–2027 | CGPA: 7.72*

Higher Secondary Certificate (HSC)

SSVM | 2023 | 88.17%

SSLC

Little Angels' English Hr. Sec. School | 2021 | 78.67%

PROFILE SUMMARY

I am passionate about programming, web development, and database management, and enjoy applying my skills to create practical solutions. I thrive on challenging projects that help me grow and develop new expertise. I am motivated, adaptable, and eager to learn emerging technologies.

PROJECTS:

WORKVIBE – Job Recruitment Platform

Building a full-stack web application that connects job seekers and recruiters with features like secure authentication, job posting, and application tracking. Using React.js, Node.js, Express.js, and MongoDB to ensure a smooth and scalable experience.

Arbiter PUF – Hardware Security Module

Developing an Arbiter-based Physically Unclonable Function (PUF) using Verilog HDL on an FPGA to generate unique device identifiers for secure hardware authentication. Evaluated reliability and stability under varying environmental conditions.

TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript
- Web Technologies:** React.js, Node.js, Express.js, MongoDB
- Databases:** MySQL, MongoDB

ACHIEVEMENTS

- Finalist in DigiTrix, YUGAM 2024 (Electronics event, Kumaraguru College of Technology)
- Presented paper in the 4th National Conference on Recent Advancements in Science, Engineering and Technologies (RASET 2024)
- Presented the idea in IDEATHON 2024 (BIT - Special Labs)
- Completed **NPTEL Course on Database Management Systems (DBMS)**
- Participated in HACKTRIX'25 (SRM University) with the project MentorNet – Collaborative Learning Platform
- Completed 'Create Your First Python Program' course by UST Global

AREAS OF INTEREST:

- Database Management Systems (DBMS)
- Web Development
- Python Programming

HOBBIES & INTERESTS:

- Strategic PC Gaming
- Fitness & Strength Training
- Listening to Self-help Podcasts