Shubham Sharma

Portfolio Website | shubhamsharma10112003@gmail.com | +91-9015444842

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY (MAIN CAMPUS)
B.Tech in Electronics and Communication Engineering Grad: 2025 | CGPA: 8.6

Shiva International School
PCM with Computer Science
Grad: 2021 | 12th: 94.6/100 Grad: 2019 | 10th: 90.8/100

PROFILELINKS

- GitHub:// @aeroscissorz
- LinkedIn:// @ShubhamSharma
- Portfolio:// @ShubhamSharma

SKILLS

PROGRAMMING

Languages: • C++ • JavaScript • HTML • CSS

Tools and Technologies: • Git • GitHub • Replit • VS Code •Blender

Framework and Libraries: • React JS • Tailwind CSS • Node JS

Databases:
- MongoDB

Familiar With:
- Verilog • Java • MATLAB •Next JS • R • Postman• VHDL• Assembly

OTHERS

- Chess • 3D Animation • Game Development • Music

EXPERIENCE

LRDE DRDO, Bengaluru *Link* | Project Intern
Sept - Oct | 2023
- Implemented Systolic Array Algorithm for Matrix Multiplication on Intel Agilex FPGA using Verilog HDL.
- Proficiently utilized Intel Quartus Prime and Intel Questa, showcasing adaptability and problem-solving skills.

OctaNet *Link* | Web Development Intern
July - August | 2023
- As a web developer intern at OctaNet, I worked on a range of projects such as making Portals, APIs and Management systems using Full Stack Technologies.
- Completed 4 projects and was awarded with certificate of appreciation.

Hack4Impact| HACKATHON *Link* | Second Prize
June 6-8 | 2023
- Led Team "ByteMe" in developing "Study Buddy," a collaborative study platform using React.js, earning second prize in the Hack4Impact Hackathon.
- Demonstrated proficiency in React.js, teamwork, and innovation to address educational challenges through technology.

PROJECTS

Segmentify *Link* | MATLAB | Advanced Preprocessing Techniques
- Designed and implemented an Image Segmentation Algorithm in MATLAB, employing advanced preprocessing techniques for accurate segmentation.
- Demonstrated algorithmic precision through meticulous image manipulation and thresholding methods, showcasing practical applications in receipt detection and serving as an educational resource for MATLAB-based image processing.

TerraTrack *Link* | MATLAB | OpenCV | ACF
- Developed a cutting-edge computer vision solution for wildlife conservation and ecological research, excelling in data labelling, ACF-based object detection, noise filtering, and accurate turtle tracking in videos.
- Leveraged Python and MATLAB with tools like OpenCV and MathWorks MATLAB, showcasing proficiency in machine learning techniques, specifically Aggregate Channel Features (ACF).

SkyInsight *Link* | HTML |JavaScript | CSS | Weather API
- Crafted a user-friendly meteorological application using HTML, CSS, and JavaScript, integrating a weather API for precise forecasts.
- Key features encompass temperature trends, precipitation probabilities, and wind speed indicators, with a responsive layout for optimal cross-device usability.