

SRIJIT ROY

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PROFESSIONAL SUMMARY

Data Science student with a strong foundation in Python programming, data analysis, web development, and Linux systems. Passionate about applying data driven approaches to solve real world problems and build efficient software solutions. Familiar with machine learning concepts, cybersecurity fundamentals, and networking, with a commitment to continuous learning and hands on project development.

EDUCATION

Indian Institute of Technology, Madras

Bachelor of Science in Data Science

January 2023 – Present

Chennai, Tamil Nadu, India

- Pursuing comprehensive curriculum in statistics, machine learning, programming, and data analytics
- Developing strong mathematical foundation for advanced data science applications

TECHNICAL SKILLS

- **Programming Languages:** Python, Tailwind CSS, JavaScript, Java, SQL, Bash
- **Data Science & Analytics:** Machine Learning, Statistical Analysis, Data Visualization, Pandas, NumPy, PyTorch
- **Web Development:** Frontend Development, Responsive Design, Web Applications
- **Systems & Tools:** Linux Administration, Git/GitHub, Command Line Interface
- **Cybersecurity:** Network Security, Security Protocols, Vulnerability Assessment
- **Networking:** TCP/IP, Network Configuration, Computer Hardware & Networking
- **Soft Skills:** Problem Solving, Analytical Thinking, Continuous Learning, Collaboration

PROJECTS & TECHNICAL EXPERIENCE

Portfolio Website | sainarc.com

Basana Infrastructure | *Next.js, TypeScript, Tailwind CSS*

- Built a responsive corporate website with reusable components and a clean content structure
- Implemented interactive sections for services, about, contact, and supply-related pages

Linux System Administration | *Linux, Bash, System Configuration*

- Configured and maintained Linux based systems for development and security testing

Trekking Management Application-V2 | *VueJS, Python, Redis, Docker, Celery, SQLite*

- Engineered a full-stack web application using VueJS and Python, Redis and Celery.
- Designed responsive VueJS dashboards and interactive UI components and real-time slot availability.

ICP Detection Project | *Python, Machine Learning, Signal Processing, Data Analysis*

- Built scripts for rPPG and PPG processing and mappings
- Integrated classical ML and deep learning components: XGBoost models and PyTorch models

CERTIFICATIONS & ACHIEVEMENTS

- Active contributor to open-source projects on GitHub
- Continuously expanding knowledge through self directed learning and online courses

ADDITIONAL INFORMATION

- **Interest:** Artificial Intelligence, Cloud Computing, Open-Source Development, Editing Videos
- **Hobbies:** Playing Chess, Solving Rubik's cube(3x3), Learning new Languages (Japanese, German)