


PRABHANJAN JOSHI

 +91-8867076646 |  prabhanjan646@gmail.com

 LinkedIn: www.linkedin.com/in/prabhanjanjoshi

 **Career Objective** :6th-semester BE student with a strong foundation in VLSI design, embedded systems, and IoT. Passionate about real-world applications of electronics in space tech and chip design. Seeking internship opportunities to enhance practical experience.

Education

B.Tech – Electronics and Communication Engineering

JSS ACADEMY OF TECHNICAL EDUCATION,BENGALURU

Expected Graduation : December 2026

CGPA(current) :7.98/10

Senior Secondary (XII) /SMJ PU COLLEGE,SINDHANUR – 2022

Percentage :92.33%

Secondary School (X)/ SRI KRISHNADEVERAYA EDUCATIONAL SOCIETY,SINDHANUR – 2020

Percentage :87.2%

Technical Skills

- **Programming Languages:** C, C++,Python, Verilog
- **Tools:** MATLAB, Simulink, Cadence (Basic),KeiluVision,XilinxVivado
- **Platforms:** Arduino, Raspberry Pi, Multisim
- **Others:** Digital Logic Design,VLSI Design,Signal Processing Basics, Embedded Systems, IoT

Academic Projects

- **Vedic Multiplier using Ripple Carry Adder(Oct 2024 – Dec 2024)**
Designed and implemented an efficient Vedic multiplier architecture using ripple carry adders in Verilog. Improved computation speed for arithmetic operations by leveraging ancient Vedic algorithms with simple adder logic.
- **Configurable Floating-Point Matrix Multiplier for AIML chips (Ongoing)**
Building a scalable, parameterized matrix multiplier core for AI/ML accelerators.
- **CubeSat – Space-Based IoT Relay (Ongoing)**
Developing a CubeSat to capture and transmit environmental data using embedded systems and sensors

Certifications

- “IoT Essentials ” – Swayam(2023)

Achievements & Extracurriculars

- **Team Head:** Led a project team, coordinated tasks, and ensured timely delivery with effective collaboration and leadership.

HOBBIES

Solo Traveling: Exploring new places and cultures independently.

Cooking: Passionate about culinary arts, recognized as a skilled home chef.

Entrepreneurial Thinking: Strong business mindset and strategic decision-making abilities.