



Fatima Tu Zahra

Electrical Engineering Undergrad

✉ bsee22f06@namal.edu.pk

☎ +92 3298687512

📍 Kamra, Pakistan

🌐 fatimahtuzahraawan

Electrical Engineering Undergrad with hands-on experience in embedded systems, control systems, communication systems and satellite educational models. Motivated to begin a career in satellite and space systems.

EDUCATION

BS Electrical Engineering

Namal University, Mianwali
Oct 2022 - Present | GPA= 3.0

Courses

- Computer Architecture
- Internet of Things
- Communication System
- Embedded System
- Machine Learning
- Digital Signal Processing
- Control System
- Signals & Systems

Intermediate (Pre-Engineering)

Fazaia Inter College Minhas AirBase Kamra
Jun 2020 - Jul 2022 | Grades=A+(1044/1100)

Accomplishment: Student of the Year Award

Matriculation

Fazaia Degree College ARF PAC Kamra
Jun 2018 - Jul 2019 | Grades=A+(1044/1100)

WORK EXPERIENCE

Satellite Systems Intern

Space Research Centre, UCP Lahore

Tasks: Made a basic CanSat and helped in organizing National CanSats Workshops in LUMS, UCP, ITU AND UET Lahore

Aug 2025 - Oct 2025

Undergrad Research Assistant

Center for AI and BigData Namal University
Mianwali

Feb 2024 - Jan 2025

SKILLS

Easy EDA

Solid Works

Teensy 4.0

ESP32

HFSS

Cisco Packet Tracer

Proteus

MATLAB

Linux

ETAP

PROJECTS

Advanced Guided CanSat System with Self-Steering and Live Video

Final Year Project

RV32I Pipelined Processor (VHDL) with Wishbone-Based SoC Integration (GCC-Compatible)

Semester Project-Computer Architecture Course

CERTIFICATES

TEDx Namal Speaker

Namal University, Mianwali

Certificate of Achievement National CanSat Competition 2025

SUPARCO | RESOLVE

Internship Certificate

Space Research Center Lahore

Summer School on RISC-V Systems for Industrial Applications

Center for AI and BigData Namal University