

# AROOJ FATIMA

📍 Islamabad, Pakistan    ✉ arooj.fatimacr@gmail.com    📞 +92 305 5351122  
🌐 linkedin.com/in/aroojfatima    🐙 github.com/aroojfatima

## PROFILE

---

Final year Computer Science student bridging AI/ML, systems programming, and web development. Former content writer with 3+ years of freelance experience, now building neural networks, system simulators, and full-stack applications. Seeking an internship where I can solve real problems with code.

## EDUCATION

---

**Bachelor of Science in Computer Science** 2023 – 2027  
Bahria University, Islamabad  
Relevant Coursework: Machine Learning, Operating Systems, Computer Networks, Data Structures, Algorithms, Compiler Construction

## TECHNICAL SKILLS

---

**AI/ML:** Python, TensorFlow, Keras, Scikit-learn, OpenCV, MobileNetV2, Transfer Learning, CNNs  
**Systems:** C++, Assembly, Ubuntu, Cisco Packet Tracer, Arduino  
**Web Dev:** React, Django, JavaScript, HTML5, CSS3, Tailwind, PHP, MySQL  
**Low Level:** JavaCC, Qt Framework, Systems Programming  
**Tools:** Git, Wireshark, Arduino IDE, Eclipse  
**Content:** SEO Writing, Technical Documentation, WordPress

## PROJECTS

---

### AI & Machine Learning

- **Hair Color & Style Analysis System** — Python, TensorFlow, Keras, MobileNetV2, OpenCV  
Built AI that recommends hairstyles based on face shape and skin tone using computer vision. Implemented face detection, preprocessing, and transfer learning.
- **Skin Analysis System** — Python, TensorFlow, Keras  
Developed CNN-based system using transfer learning. Preprocessed image datasets and fine-tuned pre-trained models.
- **Medical Triage System (AI-Assisted)** — React, Django, JavaScript, Tailwind  
Full-stack web app for symptom-based urgency assessment with rule-based classification logic.

### Systems & Cybersecurity

- **Virtual Memory System Simulator** — C++, Ubuntu  
Low-level memory management simulator with TLB, page tables, and page fault handling. Demonstrates OS memory management internals.
- **University Network Simulation** — Cisco Packet Tracer  
Multi-department network with routers, switches, IP routing, subnetting, and VLANs. Implemented security best practices.
- **Automatic Street Light System** — Arduino, PIR Sensor, C  
Motion-triggered lighting system with power optimization using embedded C programming.

### Low Level & Compilers

- **Custom Language Compiler "Classroom Language"** — Java, JavaCC, Eclipse  
Grammar-based compiler with lexical analysis, semantic analysis, parsing, and IR generation.
- **Scientific Calculator** — Assembly Language  
Complex arithmetic operations implemented at register level using Assembly.

## Web Development

- **Fundraising Platform** — HTML, CSS, JavaScript, PHP, MySQL  
Full-stack donation platform with form validation, donor management, and admin workflows.
- **FoodPanda Clone (DSA Application)** — C++, Qt Framework  
GUI-based food ordering system using trees, queues, and maps for efficient order handling.

## Algorithmic Games

- **Catch The Spy** — C++  
Binary search-based game using Divide and Conquer strategy with CLI interface.

## EXPERIENCE

---

**Content Writer (Part-Time)** Jan 2024 – May 2025  
Bahria University Head Office, Islamabad

- Created website content for multiple Bahria University campuses
- Wrote social media content to improve student engagement
- Coordinated with IT and design teams for content publishing

**Content Writer (Remote)** Jan 2022 – Jan 2025  
UpperscriptSEO

- Wrote SEO-optimized articles targeting competitive keywords across multiple niches
- Conducted keyword research and applied on-page SEO best practices
- 3+ years of consistent freelance work

**Sales Manager (Remote)** Jan 2023 – Aug 2023  
Nexus Reach Marketing

- Managed international client communication (Canada, UK)
- Assisted marketing teams with promotional content creation
- Maintained CRM records and lead follow-ups

## LEADERSHIP

---

**Head of Reporting Team** 2024 – Present  
Finance Department, The Youth Foundation, Islamabad

- Lead team responsible for financial reporting and documentation
- Coordinate with department heads for data collection
- Ensure accuracy and timeliness of reports

**Content Writing Team Member** 2024  
Bahria University Model United Nations (BUMUN)

- Contributed to official event documentation and social media content
- Collaborated with team under tight deadlines

## CERTIFICATIONS

---

- Crash Course on Python — Google (Coursera)
- WordPress 101: The Complete Guide — Packt (Coursera)

## LANGUAGES

---

- English (Fluent)
- Urdu (Native)