Jablay Noor Rahman

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OVERVIEW

Full-stack developer passionate about building scalable web applications and AI-powered solutions. Proficient in PHP, Java, JavaScript, Python, and modern frameworks with hands-on experience delivering production-ready projects. Skilled in both frontend and backend development with a strong foundation in database design and real-time systems.

EDUCATION

Bangladesh University of Professionals (BUP) <div align="right">Mirpur Cantonment, Dhaka</div>
B.Sc. in Information and Communication Engineering — CGPA: 3.50/4.00 <div align="right">*July 2022 – Present*</div>
- **Relevant Courses:** Algorithms, Data Structures, Database Management System, Data Communication & Networks, Operating Systems, Software Engineering, Digital Signal Processing, Web Technologies

TECHNICAL SKILLS

Programming Languages: Java, PHP, JavaScript, Python, C, HTML5/CSS3, SQL
Frameworks and Libraries: React, Node.js, Express.js, Flask, TensorFlow, Keras, Bootstrap, Socket.io
Development Tools: Git, Docker, Firebase, VS Code, Android SDK, Cisco Packet Tracer
Database Management: MySQL, MongoDB, SQLite, Firebase Realtime Database
Testing and Integration: REST APIs, JWT Authentication, Postman, OpenCV

ACADEMIC PROJECTS

StudyBuddy Campus Management Portal | *HTML, MySQL, PHP, JavaScript* | 2025
- Built comprehensive LMS with student/admin dashboards managing courses, exams, notices, and group chat for 500+ users.
- Architected secure authentication system with role-based access control ensuring data privacy.

AI Art Generator | *Python, Stable Diffusion, Flask, OpenCV* | 2025
- Created text-to-image web app leveraging Stable Diffusion with Flask API for real-time image generation.
- Implemented responsive interface ensuring seamless user experience across devices.

Bangladeshi Snacks Classifier | *Python, TensorFlow, CNN* | 2025
- Built CNN model classifying Bangladeshi snacks with 92% accuracy on 5,000+ images using data augmentation.

BUPBuddy AI Assistant Chatbot | *HTML, Google Gemini AI, JavaScript* | 2024
- Developed AI chatbot using Google Gemini AI serving as primary information portal for university with 95% query resolution.

EduSync Student Administration Platform | *PHP, MySQL, HTML/CSS/JS* | 2024
- Built educational management system with dashboards for students, faculty, parents, and administrators.
- Implemented course management, attendance tracking, grade recording, and real-time communication features.

HorizonHomes Property Platform | *JavaScript, MySQL, PHP* | 2024
- Created real estate platform with property search, booking, payment gateway; optimized queries reducing latency by 45%.

Automatic Smoke Detector & Fire Prevention System | *IoT, Cisco Packet Tracer* | 2023
- Designed IoT-driven smoke detection system with automated actions and real-time notifications using Cisco Packet Tracer.

KhudaLagse Food Delivery System | *Java, MySQL, Java Swing/FX* | 2023
- Engineered food ordering platform with authentication, menu browsing, and real-time order tracking handling 200+ daily transactions.

Professional Experience

Vice President (Operational)
Jan 2025 – Present
IEEE BUP Student Branch
Bangladesh University of Professionals
- Leading operational activities and coordinating technical events for 200+ members.

Joint Secretary (Communication)
Jan 2025 – Present
BUP Robotics Club
Bangladesh University of Professionals
- Managing external communications and organizing robotics workshops and competitions.

Assistant General Secretary
Jan 2025 – Present
BUP InfoTech Club
Bangladesh University of Professionals
- Coordinating technical seminars and mentoring students in software development projects.

Volunteering Experience

Youth Ambassador & Content Creator
2021 – 2023
Youth's Voice
Youth Empowerment
- Organized youth leadership workshops and seminars for community development.
- Created digital content for youth awareness campaigns reaching 2000+ individuals.
- Facilitated peer-to-peer mentoring programs and coordinated community outreach events.
- Empowered over 300 young individuals through leadership programs.

Education Volunteer & Program Coordinator
2020 – 2022
Protyush
Education & Development
- Conducted free tutoring sessions for underprivileged students and organized skill development workshops.
- Coordinated educational material distribution drives and mentored students for higher education opportunities.
- Provided educational support to 200+ students and helped 50+ students access scholarship opportunities.

Education Volunteer & Community Organizer
2018 – 2020
Bidyanondo Foundation
Education & Social Welfare
- Organized and conducted free educational workshops for street children and distributed educational materials.
- Coordinated food distribution programs for underprivileged families and assisted in healthcare awareness campaigns.
- Provided educational support to over 400 underprivileged children and helped distribute essential supplies to 1000+ families.

Achievements & Awards

○ **Honorable Mention** – Asian University for Women International Model United Nations (AUWIMUN) 2019 as delegate of Islamic Republic of Iran
○ **7th Position** – INTRA BUP TECHSURGENCE 2022 Programming Contest (among 100+ participants)
○ **3rd Position** – IEEE BranchFest 2025 Poster Presentation Competition

Certifications & Courses

○ **CS50's Introduction to Programming with Python** – HarvardX
○ **Exploratory Data Analysis for Machine Learning** – IBM (Coursera)
○ **Foundations: Data, Data, Everywhere** – Google (Coursera)
○ **CCNA 200-301 Network Fundamentals** – Cisco Networking Academy
○ **Deep Learning for Beginners** – Simplilearn
○ **Python 101 for Data Science** – Cognitive Class
○ **Basics of Machine Learning Algorithms** – UniAthena
○ **Effective Leadership** – HP LIFE
○ **Data Science & Analytics** – HP LIFE
○ **Corporate Etiquette** – 10 Minute School
○ **Communication Hacks** – 10 Minute School