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Education

Beaconhouse School System | GCSE, A-Levels

Islamabad, PK

A-Levels: Maths, CS, Physics, English Language. 4A's. O-Levels: Completed with 7A*, 2A. Awards: Trailblazer Award for Academic and Co-Curricular Contribution. Outstanding Award for O-Levels Academics.

Experience

Contour Software

Islamabad

Summer Intern | Software Development and DevOps

Jun 2025 – Aug 2025

- Led a distributed, cross-city team of 3 interns and engineered a social media cross-posting solution using external social APIs and a Flask backend, streamlining multi-platform content delivery.
- Analyzed and deep-dived into clients' web applications, successfully proposing and implementing UI/UX improvements.
- Under DevOps, Architected and deployed a serverless web application using Flask and Azure Functions, managing CI/CD pipelines via GitHub Actions.
- Designed a driver training simulation prototype for the internship project, utilizing local traffic data and AI-driven feedback to replicate real-world conditions for beginner drivers.

Echo – A Social Platform [\[Link\]](#)

Founder, Developer

April 2025 – Present

- Conceptualized and built a MERN-stack social platform centered on human-computer interaction principles, replacing algorithm-based feeds with user-controlled 'Scrolls' and 'Curations'.
- Executed a successful beta launch, acquiring and onboarding 500+ initial signups.
- Enhanced understanding of real-world applications and user behavior for iterative improvements.

Delta – Simplified Stocks Trading Platform [\[Link\]](#)

Lead Developer

Jun 2025 – Present

- Engineered a web-based stock market simulation platform using the MERN stack, allowing high school students to practice trading in timed, competitive environments.
- Scaled the platform to support several hundred concurrent requests by optimizing database queries and implementing WebSockets for real-time data flow. Deployed and hosted the application infrastructure on the Render cloud platform.
- Hosted 3 trading contests with over 600 active student participants, successfully raising funds for cash prizes and charitable donations.

Events - PMUN 25, PMUN 26, MSEM I & II, Nobelium Cup

Director IT and Graphics

Aug 2023 – Dec 2026

- Spearheaded IT infrastructure for 5 major regional events, developing custom AI-driven management tools and event websites.
- Streamlined participant tracking and event coordination by shipping customized, scalable software solutions.

Leadership & Activities

Beaconhouse Potohar Campus Literary Society

Vice President 2024, President 2025

August 2024 – May 2026

- Led the Literary Society to explore moral and social philosophy, founded Veracity Opinions research platform, and digitized library archives in collaboration with the Tech Club. Developed and co-founded digital magazine.

Beaconhouse Potohar Campus Tech Club, Media Club

President Tech Club 2023-24, Secretary Media Club 2022

August 2022 – May 2024

- Revitalized a 50+ member Tech Club through coding sessions, mentorships, and a yearly hackathon initiative. Conducted design workshops and contests in media club. Shifted focus from sole tech to humanistic design.

Research

Effect of UI/UX design on User Perception and Trust of AI Products

Self-Initiated Research

Aug 2025 – Oct 2025

- Conducted a mixed-method study (300+ respondents, 4 case studies) on how UI/UX design affects user trust in AI chatbots, proposing a framework for inclusive, human-centered technology.

Pioneer Academics, Mentor: Prof. Megan J. Hall (Notre Dame University, USA)

Scholar in Morality and Identity

June 2025 – Sep 2025

- Researched moral rebellion and ethics in Camus and Dostoyevsky with Prof. Hall (Notre Dame); achieved A+ (98/100), Top 5% rank, and received 4 Oberlin College credits.

Should we be Polite to ChatGPT?

Submitted | John Locke Essay Competition

May 2026 – Jun 2026

- Wrote an essay at the intersection of moral philosophy and technology, applying ethical frameworks to interactions with Artificial Intelligence. Enhanced understanding of tech ethics and the future of AI.

Skills and Tech Stack

Languages: JavaScript, Python, HTML/CSS

Frameworks and Libraries: React, Node.js, Express.js, Flask, Tailwind CSS

Databases and Cloud: PostgreSQL, MongoDB (MERN Stack), Microsoft Azure, Render

Tools and Workflows: Git/GitHub, GitHub Actions (CI/CD), RESTful APIs, WebSockets, AI Integrated Development

Design & UI/UX: Figma, Adobe Photoshop, UI Design Principles and Human-Computer Interaction