

Khushal Khan

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EDUCATION

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| GIK Institute of Engineering Sciences & Technology, Topi Pakistan Bachelor of Science in Computer Engineering | September 2021-Present |
| The Fazle-e-Haq College, Mardan, Pakistan Higher Secondary School Certificate (HSSC) – Pre-Engineering Score: 813/1100 (Percentage: 73.9%) | September 2017 – May 2019 |

INTERNSHIP EXPERIENCE

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| Jazz Digital Headquarters,F8 Islamabad Pakistan CRA Intern (Summer Internship) <ul style="list-style-type: none">Developed an automation system in Python, reducing document processing time by 70% and eliminating manual workload for 4 employees.Digitized and streamlined 2,500+ PTA and FBR regulatory documents, enhancing team efficiency by 50%.Assisted in franchise performance evaluations, analyzing franchise reports to identify key areas for business improvement. | July 2024 – September 2024 |
| Appologix Software Solutions, Rawalpindi, Pakistan Web Development Intern <ul style="list-style-type: none">Developed and optimized 10+ responsive web pages using HTML, CSS, JavaScript, and Bootstrap, improving user engagement by 30%.Built 3+ dynamic web applications using Flask and Django, enhancing backend performance by 25%.Managed PostgreSQL and Firebase databases, optimizing query performance by 40% and reducing data retrieval time. | July 2023 – August 2023 |
| 01 Technosys, Islamabad, Pakistan Web Development Intern <ul style="list-style-type: none">Developed 2 e-commerce platforms using React.js and Next.js, increasing client conversion rates by 15%.Designed and maintained 5+ RESTful APIs using Node.js and Express.js, reducing backend request time by 35%.Utilized Git and GitHub for version control, reducing code conflicts by 20%. | June 2022 – July 2022 |

ACADEMIC PROJECTS

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| Final Year Project: Mind’s Eye – EEG-Guided Image Reconstruction <ul style="list-style-type: none">Developed a deep learning model (LSTM + cGANs) to reconstruct images from EEG signals.Preprocessed EEG data and optimized model accuracy using Inception Score. |
| FMRI (Neuroimaging Data Analysis) <ul style="list-style-type: none">Analyzed fMRI datasets using SPM12 & MATLAB, optimizing data pipelines for better statistical accuracy. |
| Movie Recommendation System <ul style="list-style-type: none">Built a collaborative filtering-based recommendation system using Python. |
| Line Follower and Obstacle Avoiding Robot using 8051 Microcontroller <ul style="list-style-type: none">Designed and programmed a robot utilizing 8051 microcontroller and Arduino UNO to navigate autonomously and avoid obstacles. |

LEADERSHIP EXPERIENCE & ACHIEVEMENTS

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| MediaClub,GIKI, Sponsorship Head <ul style="list-style-type: none">Led sponsorship initiatives to secure funding and partnerships for student events.Negotiated with corporate sponsors to support university media projects. |
| Project Topi-GIKI, Liaison Head <ul style="list-style-type: none">Led the Ramadan Ration Drive, distributing essential food supplies to 100+ underprivileged families.Organized the Clothes Donation Drive,ensuring hundreds of individuals received winter clothing. |
| The City School Mardan (Twice, SSC Part 1 & Part 2), High Achiever Award <ul style="list-style-type: none">Secured awards for exceptional academic results, receiving two prestigious shields from City School; demonstrated dedication and perseverance in coursework while fostering an environment of healthy competition among classmates. |

SKILLS & COMPTENCIES

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| Hard Skills: C/C++, Python, MATLAB, Machine Learning, Microsoft Excel, Excel VBA, MS Word, HTML, CSS, JavaScript, Flask, PostgreSQL, MongoDB, Amazon Web Services (AWS),Kubernetes,Dockers, 8051 microcontroller, Arduino UNO, RTL Design System Verilog, CCN (Cisco Packet Tracer), EEG Device data collection |
| Soft Skills: Time Management, Adaptability, Teamwork, Work ethic, Attention to Detail |
| Languages: English, Urdu, Pushto |