

Muhammad Hanan

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Objective

Computer science student with expertise in MERN Stack development and technical leadership. Passionate about building scalable web applications and optimizing user experiences. Seeking opportunities to apply my skills in real-world projects.

Education

University of Engineering and Technology, Lahore, BS in Computer Science

- **Coursework:** Programming Fundamentals, Object-Oriented Programming, Data Structures and Algorithms, Database Systems, Operating Systems, Web Technologies, Software Engineering, Information Security, Computer Networks, Artificial Intelligence, Introduction to Data Science, Natural Language Processing, Parallel and Distributed Computing

Govt. Islamia Graduate College Civil Lines, Lahore, Intermediate in Computer Science

- **Coursework:** Computer Science, Mathematics, Physics

Technologies

- **Programming Languages:** JavaScript, TypeScript, Python
- **Web Technologies:** React.js, Node.js, Express.js, MongoDB, TailwindCSS
- **Tools & Platforms:** Linux, Git, Docker, VS Code, Neovim

Projects

TalentTap (MERN Stack Job Platform)

- Built a job portal enabling job seekers to apply for listings and employers to post openings. Developed a secure backend with Node.js, Express.js, and MongoDB, implemented authentication via JWT, and designed a responsive UI with React.js & Tailwind CSS.

ThirdEye (AI-based Currency Recognition for Visually Impaired)

- Created a desktop application to help visually impaired users recognize currency. Developed a Flask-based backend, a WCF-powered front end, and trained a PyTorch model for currency detection, integrating an audio-guided interface.

Extracurricular & Leadership

Lead, Management Branch - Google Developer Group on Campus (GDGoC) UET NC

- Led **online & on-site tech events**, coordinating speakers and engaging students in **workshops, hackathons, and networking sessions**.

Speaker, Linux 101: The Ultimate Beginner's Guide (Online Event)

- Hosted a **Linux 101** session on distributions, essential commands, and **Git, Docker, and automation tools**.

Languages

- **English** (Professional Proficiency)
- **Urdu** (Native / Fluent)
- **Punjabi** (Native / Fluent)

References

Available upon request.