Hasnaat Malik

+92 3211610272 | hasnaatmalik2003@gmail.com | linkedin.com/in/hasnaatmalik | github.com/hasnaatmalik

EDUCATION

FAST NUCES   08/2022 – Present
Bachelor of Science in Computer Science   *Faisalabad, Pakistan*

EXPERIENCE

IT Intern   06/2023 – 08/2023
Asif Law Associates   *Faisalabad, Pakistan*
- Managed data and Excel sheets to streamline administrative workflows
- Contributed to operational efficiency by assisting with various administrative tasks

Marketing Co-Head   02/2023
FAST NU   *Faisalabad, Pakistan*
- Created engaging content for social media platforms
- Secured sponsorships by presenting detailed portfolios to potential partners

PROJECTS

FastFinder – Campus Lost & Found System | Next.js, TypeScript, MongoDB, Nodemailer
- Built a full-stack web app for FAST CFD to report and recover lost/found items
- Implemented JWT-based login, email verification, and item status tracking
- Integrated item search, filters, image uploads, and personalized dashboards
- Followed MVC architecture for scalable design

Housing Price Prediction – Linear Regression & K-NN | Python, scikit-learn, Pandas, Seaborn
- Applied Linear Regression and K-NN on California Housing dataset for price prediction
- Performed preprocessing, feature scaling, and visual analysis
- Evaluated R^2, MAE, RMSE; compared regression model performance

Peer-to-Peer File Sharing and Chat App | Node.js, Express, WebSocket
- Developed real-time file sharing and chat features
- Implemented file previews and group chat for seamless experience

Mini Operating System Simulation | C++, SFML, GTK
- Simulated OS features like task management and memory allocation
- Built graphical interface for user interaction

Taylor Swift Discography Analysis Dashboard | R, Shiny, shinydashboard
- Developed an interactive dashboard to analyze Taylor Swift's discography
- Implemented visualizations like boxplots, histograms, and regression for audio features
- Integrated descriptive statistics and predictive modeling to explore song trends

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, React, SQL, R, Assembly Language, HTML/CSS
Frameworks: Node.js, Express, Bootstrap, Next.js
Tools: Git, GitHub, VS Code, PyCharm

CERTIFICATIONS

Harvard CS50x (May 2023 – June 2023)

Web Development Bootcamp