Mian Abdul Hadi

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Education

Bachelor of Science in Software Engineering   Expected June 2025
FAST NUCES, Lahore   **CGPA**: 3.30 / 4.00

Experience

Full-Stack Developer Intern - Netsol Technologies   July 2024 – August 2024

- Contributed in developing web applications using the MERN stack, assisted in the development of an Android app using Java and XML, which was the main project of my team at that time, while focusing on intuitive UI design and functionality, enhancing app performance and user experience.

Projects

SmartTA   github.com/SmartTA
Python, Hugging Face Transformers, Large Language Models, PyTorch

- Developed an automated assignment grading system as my Final Year Project, which ensures fairness, consistency, and scalability. It is currently functional to cater for only Theory of Automata assignments
- Collected actual assignments from my university, along with their grades assigned by the human teacher and formed a dataset out of it to finetune Llama in order to learn and grade assignments in place of human checkers

notMonkeyType   notMonkeyType/play
React, MongoDB, NodeJS, Express, Axios, JSON Web Tokens, Nodemailer

- Developed a real-time web application using the MERN stack for my semester project, supporting both single-player and multiplayer modes with live competitions. Integrated WebSockets for real-time communication and a scoring system to track and display gameplay performance

Daallo Cargo   daallo/login
React, MS SQL Server, NodeJS, Express, JSON Web Tokens, Twilio, Cloudinary

- Developed the Daallo Airlines Cargo Management System, along with my classmate, for a Dubai based client using MERN stack and Microsoft SQL Server, optimizing cargo booking, scheduling, and tracking processes
- Enabled real-time operational dashboards and a user-specific booking portal to streamline tasks for Admins, Employees, and Agents

FastTetris   linkedin/projects
Python, Pygame, NumPy

- Developed 'FastTetris', a Tetris-like game using Python and Pygame, and implemented a Genetic Algorithm (GA) to evolve player strategies, resulting in significant performance enhancements and higher average scores over multiple generations

UDHAAR   github.com/UDHAAR
Java, XML, SMS Manager, Firebase Authentication, Firebase Realtime Database

- Enabled detailed recording and management of loan transactions, allowing lenders to create and store records for each loan, including amount, borrower's name, and date
- IIntegrated weekly reminders, automated borrower notifications upon loan registration, and facilitated secure closure of loan records, requiring borrowers to submit payment proofs and lenders to confirm closure, ensuring mutual agreement on debt settlement

Technologies

Languages: Python, Java, C++, JavaScript, SQL

Technologies: React, Node.js, Express, MongoDB, Android XML, OpenCV, TensorFlow, PyTorch, Hugging Face