

UMER FAROOQ

Lahore, Pakistan

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Education

FAST National University of Computer and Emerging Sciences (FAST-NUCES) **Expected June 2027**

Bachelor of Science in Computer Science

Lahore, Pakistan

- **Coursework:** Data Structures, Algorithms, Databases, Computer Systems, Machine Learning, Software Engineering

Projects

FocusFlow AI | *React Native (Expo), TypeScript, Node.js, Express, SQLite, Python (scikit-learn)* | [github](#) **2025**

- Built a full-stack productivity platform comprising a React Native mobile app, a **Node.js/Express REST API** with JWT authentication, and a Python ML service via a Node-to-Python bridge.
- Trained and deployed **3 scikit-learn regression models** on a 19-feature student lifestyle dataset to predict productivity score, study hours, and optimal break intervals.
- Implemented Pomodoro-style focus sessions, AI-generated daily/weekly schedules, and an analytics dashboard tracking **focus hours, streaks, and completion rate**.

Learning Management System (LMS) | *React, Node.js, Express, Microsoft SQL Server* | [github](#) **2025**

- Developed a **role-based LMS** for Students, Teachers, and Management covering enrollment, grading, attendance, notices, and fee management.
- Designed and implemented **30+ RESTful API endpoints** with JWT authentication and Microsoft SQL Server integration.

TrustLock – Screen-Time Manager | *Java, Android (Gradle), XML, Supabase* | [github](#) **2024**

- Built a **native Android application** for parental screen-time monitoring, app-usage tracking, and approval-based access control.
- Integrated Supabase (PostgreSQL + serverless functions) for **real-time data synchronization** between parent and child devices.

ActivityConnect (Linkup) | *React, TypeScript, Supabase, PostgreSQL* | [github](#) **2024**

- Designed a community platform helping users **discover and join real-world activities**, addressing the lack of offline-focused social features in mainstream apps.
- Built a responsive **React + TypeScript** frontend with a Supabase (PostgreSQL) backend for activity creation and discovery.

Technical Skills

Frontend: React.js, Next.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Responsive Web Design

Backend: Node.js, Express.js, FastAPI, REST API Development, JWT Authentication & Authorization

Databases: Microsoft SQL Server, PostgreSQL, SQLite, Supabase, Database Design & Management

Mobile: React Native, Expo, Java, XML, Android Development

Tools: Git, GitHub, VS Code