Shufan Shahi

Profile

Computer Science undergraduate with hands-on experience in data analysis, machine learning, and full-stack development. Built web and mobile apps using React, Node.js, and Firebase. Skilled in relational databases, API integration, and delivering real-world solutions through hackathons and academic projects.

Contact details

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Personal information

Address: **Dhaka, Bangladesh**
Languages: **English**, **Bangla**

Skills

- **Languages:** Python, C++, Java
- **Data ML:** PyTorch, TensorFlow, scikit-learn, Numpy, Pandas
- **Databases:** MySQL, Oracle SQL, MongoDB, Firebase
- **Web:** HTML, CSS, JavaScript, React
- **Mobile:** React-Native
- **Tools:** Jupyter, Excel, PowerPoint
- **Visualization tools:** matplotlib, Seaborn, Power BI
- **Soft Skills:** Communication, teamwork, problem-solving

Education

Bachelor of Science in Computer Science and Engineering *Islamic University of Technology* **2022–Present**
◇ Current CGPA: 3.50
◇ Relevant coursework: Data Structures and Algorithms, Machine Learning, Database Systems, Artificial Intelligence, Computer Networks
◇ Self-directed learning in Machine Learning, Deep Learning, and Data Analysis using Python, TensorFlow, and PyTorch

Experience

FIRST RUNNERS-UP – IUT Coderush Hackathon **2025**
◇ Worked in a high-intensity environment to design a functional application within a limited timeframe. Gained practical team-based development experience.

Participant – KUET Bitfest Datathon **2025**
◇ Collaborated in a team to analyze and interpret large datasets in a university-level datathon. Applied data preprocessing, visualization, and modeling techniques to extract insights under time constraints.

Academic Projects

Redrick Routinson *Python, React, Chakra UI, Flask, Firebase*
Simplify your university life.
 GitHub

- Full-stack university platform with role-based dashboards for admins, teachers, and students.
- Genetic algorithm-based scheduling and automated exam seat planning with QR attendance.
- Features for class swapping, event management, forums, and Lost And Found.
- Built with React, Chakra UI frontend and Python Flask backend

The Continental *React, Node.js, MySQL*
Hotel Management System.
 GitHub

- Implemented role-based access control using relational joins to expose financial analytics and operational expenses only to authorized users.
- Designed relational mappings to allow hierarchical user management, enabling higher-level users to create, update, or delete subordinate user accounts associated with specific hotel branches.
- Developed booking functionality using transactional SQL queries to insert reservation records, check room availability, and maintain referential integrity across guests, rooms, and bookings tables.

Zestify *React-native and Firebase*
Personalized Entertainment app
 GitHub

- Developed a cross-platform entertainment application using React Native, supporting both Android and iOS environments with a unified codebase.
- Integrated multiple data sources through RESTful APIs to provide users with dynamic access to recent news, movies, TV series, and sports updates.