Shubhi Garg

Full Stack Developer React+Flask

Contact

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Noida

Full Stack Development

Skills

• Languages: Python C++ SQL JavaScript • AI/ML: Artificial Intelligence Machine Learning Deep Learning Neural Networks TensorFlow Scikit-learn Random Forest SVM KNN LSTM NLP • Data Science: Data Preprocessing Model Evaluation Feature Engineering Hyperparameter Tuning Model Training and Evaluation Predictive Modeling Data Visualization • Frameworks/Libraries: Flask FastAPI OpenCV Pandas NumPy Matplotlib Scikit-learn • Databases: PostgreSQL MySQL MS SQL Server PL/SQL • Tools: Git GitHub Version Control Docker • Concepts: Data Visualization Machine Learning Pipelines Data Pipelines API Development Software Development Lifecycle Docker • Web: HTML5 CSS3 JavaScript Responsive UI Design REST APIs

Links

https://github.com/ShubhiGarg0026

Summary

Full Stack Developer who has consistently demonstrated a high level of motivation and commitment to successful delivery of client projects. Experienced in full development cycle from requirements gathering/analysis to development of web application using a number of technologies including Python, Flask, JavaScript, PostgreSQL, HTML, CSS. Highly adept at producing responsive UIs for users. Experienced with developing REST APIs, implementing user authentication systems, and maintaining relational databases. Strong background in providing comprehensive solutions from start to finish through both educational and professional projects; with an emphasis on writing clean code and providing solutions that are centered around users, while continuing to expand their technical abilities by contributing to real-world software products.

Experience

Full Stack Developer — Jun 2026 - Prestn
National Capital Region Transport Corporation, New Delhi

- • Tech: Python, Flask, OpenCV, PostgreSQL, HTML, CSS, JavaScript, Computer Vision, REST APIs
- • Developed an AI-powered attendance management system using Python, Flask, OpenCV, PostgreSQL, HTML, CSS,
- and JavaScript, reducing manual attendance processing by 80%.
- • Implemented real-time facial recognition using OpenCV, achieving 90%+ recognition accuracy for automated atten-
- dance marking.
- • Designed employee and administrator dashboards with attendance analytics, filtering, and reporting capabilities for
- 100+ user records.
- • Built secure authentication and role-based access control, supporting Admin and Employee workflows while maintaining
- database-driven attendance tracking.
- • Developed 10+ REST API endpoints for authentication, attendance processing, reporting, and user management,
- improving system modularity and scalability.
- • Engineered a responsive SaaS-style interface with attendance insights and analytics, reducing report generation time
- by 60%.
- • Integrated PostgreSQL-based attendance logging and automated record management, eliminating manual spreadsheet-
- based tracking.

MS SQL Server Intern — Jun 2025 - July 2025
Vertex India, Roorkee

- • Designed and optimized relational databases and SQL queries using MS SQL Server for enterprise data management.
- • Improved query performance by 30% through indexing, query optimization, and database restructuring.
- • Optimized database schemas and retrieval operations, reducing average data retrieval time by 25%.
- • Assisted in maintaining and managing datasets containing 10,000+ records while ensuring data consistency and in-
- tegrity.
- • Collaborated with a cross-functional team to support backend database operations and streamline reporting workflows.

Education

B. Tech in Computer Science Engineering — Jun 2023 - Present
Jaypee Institute of Information Technology, Noida

- CGPA - 7.45

Class XII (CBSE) — Apr 2022 - Mar 2023
Delhi Public School, Roorkee

- Percentage - 84.2%

Class X — Apr 2020 - Mar 2021
Delhi Public School, Roorkee

- Percentage - 93.6

Projects

- Personalized Diet Recommendation System-Using Machine Learning Jan 2026 - May 2026
- • Developed a machine learning–based system to generate personalized diet recommendations using health
- parameters such as age, BMI, blood pressure, cholesterol, and blood sugar levels.
- • Integrated multiple models (Random Forest, SVM, KNN, LSTM) with performance evaluation
- (RMSE, MSE) and deployed a FastAPI backend for real-time predictions and model selection.
- Web-Based Chess Engine utilizing Minimax and Alpha-Beta Pruning March 2026 - May 2026
- • Developed a web-based AI Chess Engine enabling users to play chess against a computer opponent through
- an interactive browser interface using Python and Flask.
- • Implemented intelligent move generation and decision-making using the Minimax algorithm with
- Alpha-Beta Pruning, along with object-oriented board and piece management to simulate real-time chess
- gameplay.
- Citation Prediction Model: A Research Planning Tool Aug 2025 – Nov 2025
- • Built a machine learning–based citation prediction model to estimate the citation potential of research
- articles using author keywords, index keywords, and emerging research trends.
- • Applied bibliometric analysis and ML-based feature modeling using Python (NumPy, Pandas,
- Scikit-learn) to assist early-stage researchers in identifying impactful research directions.
- BusHub Aug 2024 – Nov 2024
- • Designed and developed a bus booking web platform enabling users to view routes, book tickets, and
- manage reservations through an interactive interface.
- • Implemented real-time booking, route management, ticket generation, and secure authentication
- using HTML, CSS, JavaScript, PHP, and MS SQL Server, improving overall user experience.