

Somil Agrawal

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Skills

- **Languages** - C++, Python, HTML, CSS, JavaScript, JAVA, NodeJS, ExpressJS
 - **Tools** - Pandas, SQL, MongoDB

Education

VIT Bhopal University (Expected May 2026) BTech Major in Computer Science and Engineering	Bhopal, Madhya Pradesh Cumulative GPA: 7.8/10
St. Michael Hr.Sr. School (Jul 2022) 12 th Standard- CBSE(Central Board of Secondary Education)	Percentage: 80%
St. Michael Hr.Sr. School(Jul 2020) 10 th Standard- CBSE(Central Board of Secondary Education)	Percentage: 70%

Projects

Hand Face Rapid Response System(HFRRS)

- Engineered an advanced real-time gesture and facial expression recognition system with 95% predictive accuracy.
 - Enhanced user experience through seamless integration of web browser features.
 - Deployed an emergency-triggered automated email notification system for prompt alerts.
 - Technical Stack:
 - Python: Core programming and logic implementation
 - OpenCV: Real-time image and video processing
 - TensorFlow: Development and training of deep learning models
 - Matplotlib: Data visualization and analysis

Hospital Management System

- Developed 'OneLife' a healthcare management platform hosted on Render.
 - Utilized Express for backend development and MongoDB for database management.
 - Designed role-based dashboards for patients, doctors, and administrators with secure authentication and authorization.
 - Implemented key features such as:
 - Appointment scheduling with detailed user inputs.
 - Patient information management for doctors.
 - System administration tools for platform oversight.
 - Created a responsive and user-friendly interface to enhance the user experience.

Achievement

- Solved 100+ Questions of Data Structures and Algorithm on various platforms

Notable Certification(10+)

- **Programming in Javascript by Meta**: Certified in JavaScript programming with a score of 88% [Link](#)
 - **Cloud Computing**: Earned certification from IIT Kharagpur, with a score of 68% [Link](#)
 - **The Bits and Bytes of computer networking by google**: certified in Bits and Bytes of computer networking with a score of 93.5% [Link](#)

Extracurricular

- **Competitive Esports Player (Sniper Role):** Excelled in high-stakes gaming environments, demonstrating precision, strategic thinking, and teamwork to achieve top rankings in regional and national tournaments.
 - **Chess Enthusiast:** Actively participated in chess clubs and online tournaments, achieving a rating of 750, and consistently improving strategic thinking and problem-solving skills through regular practice and study.