



Divyansh Chourey
UG 3rd year
SGSITS, Indore
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Enrollment No. 0801IT231048
Department: Information Technology
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Specialization: None
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Academic Details

Degree / Certificate	University / Board	Institute / School	Year of Passing	CGPA / Percentage
Graduation	RGPV, Bhopal	SGSITS, Indore	2027	7.92
12th	M.P.B.S.E	New Shanti Niketan Higher Secondary School, Vidisha	2023	88.2%
10th	C.B.S.E	Trinity Convent Sr. Sec. School, Vidisha	2021	91.6%

Scholastic Achievements

- NPTEL (Machine learning & Python for data science) - Elite + Silver medal
- Course on **Remote Sensing Data Analytics in Crop Production Forecasting** conducted by the Indian Institute of Remote Sensing (IIRS), ISRO
- Hackerrank - Java Certificate
- Java AWT (Abstract Window Toolkit) & Swing on Infosys springboard
- 5 Star Java programmer on **Hackerrank**
- 100+ questions** on platforms like Leetcode, Hackerrank, Codechef.

Work Experience

ACAPL

2 months

- Worked as an intern in Anubha Chauhan and Associates
- Developed a modern, responsive business website for civil automation services using React.js and TypeScript. The application features a comprehensive multi-page layout with interactive components, contact form functionality, and a clean, professional design optimized for business clients.
- Implemented full-stack architecture with separate frontend and backend services
- Utilized modern React patterns including functional components and hooks
- Created reusable component architecture for maintainable codebase
- Integrated third-party libraries for enhanced functionality
- Deployed with Firebase hosting configuration ready

Projects

Health center automation (<https://health-automation-landing.web.app>)

Developed a comprehensive healthcare platform to digitize and automate clinic operations for 4 distinct user roles.

Nov 2025 - Present

- Multi-Role Architecture: Implemented secure, role-based access control (RBAC) for Admins, Doctors, Staff, and Patients, ensuring data privacy and workflow efficiency.
- Robust CRUD Systems: Engineered full lifecycle management for user profiles (Doctors, Staff, Patients) and appointment scheduling, integrated with a custom REST API.
- Clinical Workflow Automation: Automated appointment booking, patient onboarding, and health metric tracking, reducing administrative overhead by providing specialized dashboards for all stakeholders.

Keypad door lock

3 week

- Created a keypad door lock with actuator using C and microcontroller
- Toggle Solenoid lock based on correct password entered or not
 - Changing password('A' on Keypad) if required, only if correct password is entered
 - Using EEPROM to store the password(changed), so that even if the power is switched off, password is not lost
 - Backspace('B' on keypad) if user want to delete the entered password
 - If maximum number of attempts exceeded, then a 40 sec countdown locks the system

Self balancing bot

1 and half month

- Technologies: ESP32, MPU6050, PID Control, C/C++
- Designed and built a two-wheeled self-balancing robot using ESP32 microcontroller and MPU6050 gyroscope-accelerometer sensor.
- Calibrated sensor data and fine-tuned PID parameters to achieve stable balancing on various surfaces.
- Utilized DC motors with motor drivers (L298N) for precise actuation and control.
- Demonstrated real-time feedback loop for orientation correction, showcasing control systems and embedded programming skills.

Platforms Worked

- **Operating Systems :** linux, windows
- **Programming Skills :** C/C++, JAVA, Python, Data Science, React
- **Web Designing :** HTML5, CSS3, Javascript, React.js, REST API
- **Software Skills :** Git & Github, Canva, MS Office, Visual Studio Code

Courses Undertaken

Core	Breadth
<ul style="list-style-type: none">• Data structure and algorithms• Object oriented programming• Software engineering• Operating System• Database management System• Computer networks	<ul style="list-style-type: none">• Web Development• Data science• Linux shell programming

Positions of Responsibility

Community member at IDEALab, SGSITS

1 year

- Learned to use industry-level machines 3D printer, CO2 laser cutter, CNC router. Working as a core member of the Graphics Team

Extracurricular Activities

AAYAM

1 week

- Volunteered in college tech and cultural fest for organizing and managing technical events