

Swapnil Sharma

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EDUCATION

Indian Institute of Technology, Mandi, H.P., India

- B.Tech in Computer Science and Engineering Aug 2015 – Jun 2019
 - Cumulative GPA: 8.27 / 10.0

Senior Secondary Level (RBSE Board) Shiv Jyoti Senior Sec. School, Kota (Raj.)

- Passed with 85% (Overall) 2013 – 2015
 - Scored 96% in PCM

Secondary Level (CBSE Board) Delhi Public School, Bhilai (C.G.)

- Passed with 10.0 CGPA 2011 – 2013

ONGOING PROJECTS

3D-HST API and Data Extractor, Space Telescope and Science Institute, NASA

- Working on database, API requests and web interface of the entire data-set for Hubble Space Telescope project with Ayush Yadav and Dr. Ivelina Momcheva (Mentor). Aug 2016 – Present
 - Technologies involve HTML, CSS, JS, Bootstrap framework, Flask and PostgreSQL.

SELF MOTIVATED PROJECTS

- **Home Automation System** using Arduino board with Android app interface Mar 2016
 - Developed Arduino based server to switch lights, fans and plugs on and off and developed an Android app to control via Bluetooth.
- **Intranet social networking website** for college students, teachers and staff members in 'Applied Database Practicum' course Sep 2016 – Nov 2016
 - Used HTML/CSS, JavaScript, PHP and MySQL following Material Design guidelines involving few complex SQL queries.
- Several Android apps: To-Do, anonymous chatting room and Biotechnology related gaming application. Jun 2016 – Jul 2016
 - Experience with Material Design, Threads, AsyncTask, JSON parsing, SQLite and Google Sign in integration.

ACHIEVEMENTS

- Bagged second position in Avishkar '16 for building working model of Arduino based 'Automated Parking System' using Android app ticket system.

HACKATHON

TopCoder 12-hours hackathon

- Extensive complaint system API integration and web interface for govt. authorities, vendors and service providers.

SKILLS

- **Languages:** C, C++, Java, Python
- **Front-end web development:** HTML, CSS, JavaScript(jQuery), AJAX, Jinja2
- **Back-end web development:** Flask, PostgreSQL, PHP, MySQL
- **Others:** Android and Arduino board development
- **Platforms:** Windows, Linux(Ubuntu), UNIX
- Full Stack developer

RESPONSIBILITIES

- Co-coordinator of Space, Technology and Astronomy Cell (STAC), IIT Mandi
- Web-dev coordinator of Inter IIT Tech Meet '16 and Exodia '16, IIT Mandi

CO-CURRICULAR ACTIVITIES

- Astronomy and astrophotography
- Playing guitar and singing
- Hiking and trekking

INTERESTED IN

- Software and web development
- Database management
- Internet of things
- Machine learning and natural language processing