

HRUTUJA CHIKNEKAR

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Education

Year	Qualification	Institute	Grade
2019 – 2023	B.Tech, Electrical Engineering	SGGSIE&T, Nanded	7.80 CGPA
2017 – 2019	Higher Secondary Certificate	Narayana, Hyderabad	97.00 %
2016 – 2017	Secondary School Certificate	LFC, Nanded	97.00 %

Skills

- Languages: **Java** | learning C/C++, Python, JavaScript, HTML/CSS.
- Technologies: **MySQL** | learning React.js, Next.js, AWS, Bash, Git.
- Courses: **OOP in Java** | learning Data Structures, Algorithms, OS, DBMS.
- Other: **MATLAB, Proteus** | Blender, Inkscape, Unity, Fusion 360.

Projects

- **Knox** – Home Security Upgradation May 2022
Designed & fabricated locking mechanism based on **Arduino** and **RFID**. Achieved **3X** security increase.
- **Quill Bot** – Load shedding automation Dec 2021
Spearheaded programming of **8051 microcontroller** for automating the electric load distribution system.
- **AUTO** – Smart Home Automation Nov 2020
Automated domestic appliances and lighting via HC-05 Bluetooth module and employed IoT protocol.
- **Link ⚡ Tracker** – Chrome Extension Aug 2022
Employed HTML/CSS and JavaScript skills to develop a browser extension to save tabs and create notes.

Experience

Indian Post

Block Post Officer

Nanded, MH
Dec 2022 – Present

- **Managed** Postal Bank and handled 500+ accounts and customers.

MSPGCL

TPS Intern (Electricity Control & Distribution Unit)

Beed, MH
Jun 2022 – Aug 2022

- **Forecasted** power supply and demand and scheduled load shedding cycles accordingly.

Water Purification Plant

Maintenance and Operation

Nanded, MH
Jan 2017 – Jun 2019

- **Operated and Managed** 2000 LPH Water Purification and Chilling plant which supplies purified and chilled drinking water to 1000+ households.
- **Automated** water filling operation in bottles to fill specified (default 17L and 20L) amount of water using Arduino. Reduced water refilling operation time by 20%.

Others

Spoken Languages – English, Hindi, Marathi, Telugu (All professional proficiency or above)

Interests – Chess, Painting, 3D modelling, Vector illustrations, Reading, Learning, Teaching, Exploration