

SHRUTI ANAND GUMGAONKAR

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SUMMARY

- Final year student of Electronics and Telecommunication Engineering with data and design enthusiasm.
- Proficient in Data Science, Data Analysis, MS Office, Robotics, and Java programming.
- Practical experience with Python, SQL, Excel, and Power BI for data analysis and data visualizations.
- Experienced with Machine Learning, Exploratory Data Analysis, and RPA tools.
- Has experience with embedded systems such as Arduino and Raspberry Pi.
- Imagination and strong design orientation with focus on innovation.
- Able to combine technical know-how with creative thinking to create effective solutions.

SKILLS

Programming: Python, SQL, C, C++, VHDL, Java, HTML.

Data Tools: Power BI, Excel, Jupyter Notebook, Eclipse, VS code, Microsoft.

Circuit Design: Skilled in using PROTEUS and KEIL 4 for electronic circuit simulation and design.

Scripting: Python, Java.

Certifications: Robotics Workshop, Ethical Hacking Workshop, Full Stack Java Training, MS-CIT, Advanced Excel, Java Programming, Cloud Computing Workshop.

Problem-Solving: Strong analytical and problem-solving abilities in engineering and data-driven tasks.

PROFESSIONAL EXPERIENCE

Robotics Workshop (1 month internship)

- Attended an extensive robotics workshop where hands-on learning played a central role.
- Acquired hands-on skills in robot designing, assembling, and microcontroller programming (e.g., Arduino).
- Became familiar with sensor integration, motor control, and methods of automation.
- Worked in collaboration with peers to construct working robotic systems and resolve real-world challenges.

Java Programming (4 month internship) – Symbiosis Skills & Capgemini

- Acquired fundamentals of core Java programming
- Exercised writing and debugging Java code
- Programmed basic Java applications
- Enhanced problem-solving with Java
- Achieved industry exposure through Capgemini modules

Data Analyst (6 month internship) – ALEXLER

- Sourced and tidied data for processing
- Utilized Excel and Power BI to produce reports and dashboards
- Analyzed trends and patterns to inform business decisions
- Solved real-world data issues as part of the team

ACADEMIC PROJECTS

Smart Mirror (Mega Project)

A created a smart mirror with a Raspberry Pi and a two-way mirror. Displays real-time weather, news headlines, and calendar events, and has facial recognition to access user-specific information.

Snap & Wear – Web Application

I have developed a try-on virtual clothes platform as a full-stack Java web application. Spring Boot was used to implement the backend, React.js/Angular for the frontend, and MySQL as the database. It has secure login and user-specific experience.

Sun Tracker System (PCB Project)

Engineered the solar tracking system to rotate solar panels to track the sun's trajectory during the day to achieve maximum efficiency in energy generation. Developed using principles of PCB design and control systems.

Automated Blind Stick (Arduino Project)

The Automatic designed a smart mobility device for the visually impaired using Arduino and ultrasonic sensors. It is equipped with a stick that senses obstacles around it and informs the user using vibration or audio feedback.

Bluetooth-Controlled Robot

Created a small robot wirelessly controllable using a Bluetooth-enabled cell phone. Concentrated on motor drive, wireless communication, and instantaneous response.

Street Light Control System

Installed an automated street light system which turns lights on or off depending on ambient light levels using Light Dependent Resistors (LDRs), ensuring energy efficiency and sustainability.

EDUCATION

Rashtrasant Tukadoji Maharaj Nagpur University
B.Tech/B.E – Electronics &
Telecommunication Engineering

Nagpur, India
2021-2025

Adarsh Vidya Mandir, Junior Girls College,
Nagpur
HSC (12th), PCM with IT, Score: 83%

Nagpur, India
2019-2021

Adarsh Vidya Mandir high School, Nagpur
SSC (10th), Score: 66%

Nagpur, India
2019