SHREENIDHI VEDPATHAK

shreenidhivedpathak346@gmail.com | 9923466132 | Pune,India
Linkedin | GitHub

EDUCATION

Dr.D.Y.Patil Institute Of Technology   Pune
E&TC Bachelors   july/2021 - july/2025
CGPA: 7.9

Dr.D.Y.P.ACS Junior College   Pune
HSC   july/2019 - july/2021
Percentage: 83%

S.F.J.V, Pimpri Chinchwad   Pune
SSC   June/2007 - March/2019
Percentage: 78%

EXPERIENCE

ISRO(Indian Space Research Organisation) | Intern   Hydrabad,India | Aug/2024 - Present
Collaborating with senior scientists on remote sensing projects.Assisting in the analysis of satellite imagery for environmental monitoring. Contributing to data processing and interpretation using GIS and remote sensing software.Participating in research and development of innovative geospatial solutions.

BARC(Bhabha Atomic Research Centre) | Intern   Mumbai, India | Mar/2024 - May/2025
During my internship at BARC,I engaged in diverse research initiatives, contributing to data analysis, literature reviews, and experimental procedures. This experience enhanced my ability to work effectively in a dynamic research environment, fostering both personal and professional growth.

Tata Consultancy Services | Intern   Pune, India | Jan/2024 - Feb/2024
Completed a Security Analyst Job Simulation at Tata Cybersecurity on Forage, gaining expertise in identity and access management (IAM) and cybersecurity best practices. Delivered comprehensive documentation and presentations, demonstrating the ability to effectively communicate complex technical concepts.

N.M.P. Research Lab Semiconductor- | Intern   Maharashtra, India | Dec/2023 - jan/2024
I had the opportunity to work on a MOS capacitor development within a state-of- the-art 10k clean room facility, This experience provided invaluable hands-on exposure to advanced semiconductor technologies. .

Javak Microcircuits.Pvt.Lmt | Intern   Pune, India | july/2023 - sep/2023
Engaged in a hands-on internship in PCB design titled "Exploratory Data Analysis of Car Features" at Javak Microcircuits Pvt. Ltd., where I applied precision in assembling and testing electronic components. Ensured adherence to quality standards and fostered practical skills in the PCB manufacturing process. .

SKILLS

Programming Languages:	C++, Python
Libraries/Frameworks:	HTML, CSS, Java Script, Numpy, Pandas
Tools / Platforms:	Data Analysis (My SQL, Excel), Analytical Skills, Tableau, wordpress, SQL, MongoDB, PowerBI, Business Analysis
Databases:	Data Science, Artificial Intelligence, Sensors & Automation, Semiconductor, VLSI, Nano-Technology, Embedded Systems

PROJECTS / OPEN-SOURCE

Zomato Sales Analysis | Link   *My SQL, Excel, PBI*
"Conducted a comprehensive sales analysis for Zomato, identifying key trends and insights to drive strategic decision-making. Utilized data visualization tools to present findings, enhancing operational efficiency and market positioning."

E-Commers website | Link   *Wordpress*

"Developed a comprehensive e-commerce website using WordPress, enabling businesses to sell products directly to consumers. Implemented secure payment gateways and SEO optimizations to enhance user experience and visibility."

Student Information Management System | Link   *HTML, CSS, JavaScript,PHP*

"Developed a Student Information Management System to streamline the tracking and management of student records and academic performance. Implemented features for secure data storage, real-time updates, and user-friendly access for administrators and educators."

Ionic Thruster System For Satellites   *Aerospace Eng.,EMI*

"Designed and implemented an ionic thruster propulsion system for satellite maneuverability, in collaboration with Bennett University and Sunsera Aerospace Engineering. Enhanced orbital stability and efficiency, significantly extending satellite operational lifespan."

Alcohol Detection System For Vehicles   *Embedded Systems, Automobile*

An Alcohol Detection System in Vehicles prevents drunk driving by detecting alcohol levels in the driver's breath. It ensures road safety by stopping intoxicated individuals from operating vehicles. It is a model implemented by automotive microco

CERTIFICATIONS

- Google Data Analytics Professional Certificate - **Google**
- Data Structures And Algorithms In C/C++ - **Udemy**
- Network Technician Career Path By Cisco - **Cisco**
- Power BI Developer - **youtube**
- Microchip Semiconductor chip manufacturing In 10k Clean Room by KBCNMU - **KBCNMU**
- STM 32 Microcontroller project, workshop By DIT Socials
- MATLAB Onramp Simulation Course By Mathworks, training, and service - **MATLAB**

HONORS & AWARDS

- Won IEEE YESIST Competition In Inovation and Developement
- Ranked 1st In college level hackathon for Inovation and Developement
- Ranked 3rd In IIT Tech Fest for project Alcohol Detection System In Vehicles. Using STM32.