# B.E Electronics and Telecommunication

SHREENIDHI VEDPATHAK

Electronics And Telecommunication Engineer

Being an engineering student, just wanted to explore many things from scratch. I Have a

sincere attempt to learn new

things, practice them, and strive for excellence in nearly every aspect of learning, with an emphasis on creativity and

perfection.

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**EDUCATION**

Dr.D.Y.Patil Institute Of Technology, Pune

*16/2021 - Present*,

*CGPA*

1st Semester (9.03) 2nd Semester (8.3)

3rd Semester (8.73) 4th Semester (6.84)

5th Semester (-) 6th Semester (-)

# HSC

Dr.D.Y.P.ACS Junior College, Pimpri Pune17

*07/2019 - 03/20121*,

*Percentage*

83.69 %

SSC

S.F.J.V, Pimpri Chinchwad Pune18

*07/2012 - 03/2019*,

*Percentage*

78.80 %

# PERSONAL PROJECTS

MICROCHIP SEMICONDUCTOR MOS DEVICE

(LED MOS CAPACITOR) (09/2023-10/2023)

*"Led MOS Capacitor Project at KBCNMU's state-of-the-art 10K Clean Room Facility. Managed the design, fabrication, and characterization of advanced MOS capacitors. Implemented cutting-edge techniques in semiconductor device engineering, showcasing expertise in clean room protocols. Achieved precise results, demonstrating exceptional technical skills and attention to detail.*

Alcohol Detection System In Vehicles (8/2023 - 12/2024)

*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 using embedded systems*

INTELLISTEP (11/2022 - 03/2023)

*INTELLISTEP smart shoes are specially designed for seniors, featuring built-in sensors to track steps and detect falls, promoting safety and activity. These shoes enhance mobility and well-being for older individuals.*

GREEN. Software prototype (02/2022 - 07/2023)

*A green software prototype is a user-friendly social media app designed to promote environmental awareness. It educates users about eco-friendly practices, fostering a greener planet through simple, engaging content. The prerequisites were HTML, CSS*

Air Pollution Detection System (04/2021 - 07/2022)

*An Air Pollution Detection System is a technology that helps monitor and measure harmful substances in the air, like smoke and chemicals. It alerts us when the air is polluted, enabling us to take steps to stay healthy and reduce environmental damage. It is a model implemented using embedded systems*

# INTERNSHIP

PCB DESIGN Intern at Shradha PCB.PVT.LMT (07/2023- 09/2023)

*5 weeks of internship in PCB DESIGN with the title of Exploratory Data analysis of car Features at Shradha PCB.*

MICROCHIP SEMICONDUCTOR KBCNMU (09/2023-11/2023)

*During my enriching 2-month internship at KBCNMU, I had the opportunity to work on MOS capacitor development within a state-of-the-art 10k clean room facility. This experience provided invaluable hands-on exposure to advanced semiconductor technologies. I honed my skills, collaborated with talented professionals, and gained a deep understanding of clean room protocols*

# SKILLS

ComputerNetwork

Clean Room Operations

C/C++

Excel/SQL

MicrosoftPowerBI

Communication Skillls

Public Speaking

Leadership

Team Work

Project Management

Problem Solving

# ACHIEVEMENTS AND AWARDS

Got Certified for leading MICROCHIP SEMICONDUCTOR activity at KBCNMU Socials (09/2023)

*MICROCHIP SEMICONDUCTOR is an activity fascinated by the marvels of modern technology, intrigued by the tiny wonders of semiconductor devices, and eager to explore the limitless possibilities of nanotechnology*

Presented computer vision research paper at IEEE-CINE 2023 (12/2023)

*We have presented our computer vision course research paper on "Vision-based system to detect Antistatic ESD protection in the laboratory " at IEEE-CINE 2023 held at Bhuvneshwar.*

Got an award from DIT Socials (05/2023)

*Got the opportunity to become a Volunteer, Coordinator, and Secretary at the DIT*

*Socials Committee in the first, second, and third years of college and received an award for getting appointed as Social activity secretary.*

SPORTS— National lev Cricketer (01/20219)

*In my HIGH SCHOOL,* *I represented the Indian cricket club. tournament hosted by one of the Organisations of sports committees.*

# ORGANIZATIONS

MICROCHIP SEMICONDUCTOR activity at KBCNMU Socials-Member (September 2023 – PRESENT)

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IPCB.DIT — Vice President ( August 2023 – PRESENT)

"PCB Design"

*(Skill Development Club ) Offered by the International Department of Electronics & Telecommunication Engineering in Association*

IETE and TESA — Technical Team (September 2022 PRESENT)

*India's leading recognized professional society devoted to the advancement of Science and Technology in Electronics, Telecommunication & IT*

IEEE— Core Team Member (November 2022 – Member)

*Member of the IEEE chapter of or college, aiming to research and write papers on various technical topics*

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# LANGUAGES

|  |  |
| --- | --- |
| English  *Professional Working Proficiency* | Marathi  *Native or Bilingual Proficiency* |

Hindi

*Professional Working Proficiency*

# INTERESTS

Semiconductor Technology DATA VISUALISATION DATA ANALYST

PCB DESIGN & fabrication EMBEDDED SYSTEM MANAGEMENT

# SKILLS

ComputerNetwork

Clean Room Operations

C/C++

Data Analytics

MicrosoftPowerBI

Communication Skillls

Public Speaking

Leadership

UI-UX DESIGNING

Project Management

Problem Solving