



Registration No-21BEC10004
<https://www.linkedin.com/in/ananya-bhatnagar-688402251/>
Email-ananyabhatnagar707@gmail.com

Ananya Bhatnagar

Technical Skills: Digital Electronics, Embedded Systems, C++, Java, MATLAB programming, Arduino IDE, Proteus 8, Machine learning (Basic).

Certification: MATLAB Fundamentals, Simulink Onramp, Image Processing Onramp, Introduction to IoT and Sensors (Cisco), Machine Learning with Python (Basic).

| EDUCATION | | | |
|---------------|--------------------|-----------------------------------|-----------------|
| Board | Tenure | Educational institution | CGPA/Percentage |
| B. Tech (ECE) | SEPT 2021 –Ongoing | VIT BHOPAL | 8.74/10 |
| Class XII | JULY 2021 | KENDRIYA VIDHAYLAYA NER BAREILLY. | 90.2% |
| Class X | MAY 2019 | KENDRIYA VIDHAYLAYA NER BAREILLY. | 91.2% |

| ACADEMIC PROJECTS | |
|--|---|
| Home Lighting Simulation Using Arduino. | HOMELD SIMULATION USING PHONE. (Jun 22– Oct22) -Description: Innovated a smartphone-controlled LED lighting system, cutting energy consumption by 20% and reducing manual intervention by 50% through seamless app integration and a user-friendly interface. -Technology: C, C++, and Arduino IDE. -Team Project: 2 Members. -Role: Simulation, Code Developer, hardware connection, report formation. -Access Link -: https://github.com/Anany1123/Arduino-Home-lighting-Simulation |
| Heart Attack Prediction System. | HEART ATTACK PREDICTION SYSTEM. (Sept 23– May 24) -Description: Designed and implemented an advanced heart rate monitoring system using Arduino, integrating real-time sensor data tracking and display -Technology: Arduino IDE (C/ C++), Python (Jupyter Notebook), Proteus 8 Software. -Team Project: 10 Members. -Role: Hardware connection, Simulation, report formation, Code Developer, research. -Access Link-: https://github.com/Anany1123/Heart-Rate-monitor |
| INTERNSHIP Maven Silicon VLSI (REMOTE) | DM+DI-AHB2APB Bridge -Completed an internship in VLSI at Maven Silicon, contributing to development of 3 cutting-edge semiconductor designs, which increased processing speed. |

| EXTRA-CURRICULARS AND ACHIEVEMENTS | |
|------------------------------------|--|
| Achievements | <ul style="list-style-type: none">IoT CertificationInternship on Embedded Systems. |
| Responsibilities | <ul style="list-style-type: none">Member-Drama club Contributor and Performer: Participated in and contributed to impactful drama plays, highlighting critical themes. Team Collaboration: Fostered teamwork and creativity, enhancing audience engagement.Member - Advanced Intelligence in Electronics & Mechanics (AIEM) Club Innovative Projects: Actively participated in cutting-edge projects focused on integrating advanced Intelligence in electronics and mechanical systems. Skill Enhancement: Gained hands-on experience in IoT, and embedded systems, contributing to innovative solutions addressing real-world challenges. |
| Extracurricular | <ul style="list-style-type: none">Certificate in Bollywood nights eventParticipant in math quiz |

| ADDITIONAL INFORMATION | |
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| Hobbies | <ul style="list-style-type: none">DancingWatching moviesAnalog circuits enthusiast |
| Languages | <ul style="list-style-type: none">English, Hindi |

