CHETHAN POLANKI

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EDUCATION

B.Tech Computer Science and Engineering with Specialization in Internet of Things (IOT)
Vellore Institute of Technology, Vellore
Expected 2024, July

SKILLS

Technical Skills	Python (NumPy, Pandas, Matplotlib, SciPy, PyTorch, OpenCV, BeautifulSoup, NLTK, Requests, Scikit-Learn, Pygame), C Language (Embedded C, Arduino Programming), Microcontrollers (Arduino, Raspberry Pi, ESP32, ESP8266 (Node MCU), Sensors and Actuators), Cloud (AWS, GCP, worked on Linux OS(Debian)), Web Development (HTML5, CSS, Node.JS), Software Development (Github, DBSchema), Flexible with various text editors (VS Code, PyCharm, Online Codespaces), Postman API, Burp Suite, Nessus Essentials, ZAP.
Soft Skills	Teaching, Mentoring, Networking, Adaptability, Problem Solving, Critical Thinking, Negotiation, Selling, Marketing, Organising, Creativity and Designing.
Other Skills	Worked with various software like Canva, Figma, Microsoft Office, Notion, Google Workspace and other Productivity Softwares.

EXPERIENCE

Business Development Intern
Ascella Infosec

Jan 2024 - Feb 2024
Chandigarh, India

- Collaborated closely with the founder on 3 ongoing projects, providing documentation, proposals, and architectural solutions for clients. Offered additional insights to enhance client engagement.
- Developed multiple software for day-to-day tasks and automated specific processes using customized tools.
- Generated more than 100 valuable prospects and acquired Networking skills.

Secretary
IEEE SPS VIT (Student Chapter)

Jan 2023 - Jan 2024
VIT University, India

- Organized hackathons, makeathons, ideathons, and outreach events.
- Delivered 10 technical webinars and events on the latest advancements in software development, IoT, and diverse technical fields, fostering engagement in live demos, and networking opportunities.
- Mentored a team of over 20 junior executives during Hackathons, Makeathons, and Ideathons. and Guided them through complex decision-making processes.
- Contributed to 14 events in my term, understanding the requirements in depth and making them a huge success.
- Executed strategic decisions within the chapter with 200 students, ensuring leadership opportunities for all integral community members.

PROJECTS

Wearable Bot for Alzheimer's Patients

- The project underwent the patenting process with VIT University.
- Led a team of three students, and development was carried out using NodeMCU and the Arduino IDE.
- Integrated advanced functionalities, including fall detection, vital monitoring (tracking heart rate and SpO2), medication reminders, and real-time notifications sent to designated family members, ensuring 24/7 safety and peace of mind for users.

- The system included GPS tracking and geo-fencing for enhanced security and safety.

Accident Management with Vital Monitoring

- The project aimed to reduce the error rate in accident detection with an innovative solution by considering multiple parameters.
- Sensors, including MAX30100 for monitoring the driver's heart rate and an MQ3 sensor for detecting signs of alcohol consumption, were utilized.
- Additional emphasis was placed on assessing the driver's condition within the vehicle.

Securing IOT Data at Node

- Published in Peer-Reviewed Journal.
- Led a team of two, and development was carried out using Arduino Uno and the Arduino IDE.
- Used WBAES for securing the data.

LEADERSHIP IN EXTRA-CURRICULAR ACTIVITIES

Coordinator, Riviera'23, VIT University Spearheaded and coordinated 25 diverse events during Riviera as part of the Organizing Committee, fostering collaboration among various VIT clubs. Led the planning and execution of 4 key events within Pre-Riviera Fest and an 8 Km Marathon, building valuable cross-functional relationships and collaboration with other teams and utilizing data-driven strategies.

Student Coordinator for multiple events across various clubs and chapters Organized and coordinated 8 technical events in IEEE SPS VIT (Student Chapter), and 2 Entrepreneurship events in Dream Merchants VIT(Student Club).

Author and Co-editor of a book Co-edited a book comprising 16 research articles, acquiring ISBN recognition and gaining valuable management experience by coordinating with 16 contributing groups, ensuring seamless integration of their work. Book Link

Mentor in Outreach Event I independently organized a program to educate students in Government Intermediate College (11th and 12th grade) on various technologies. This initiative impacted over 60 students in low-income brackets, providing them with insights into post-schooling opportunities.

LANGUAGES

English: Full Professional Proficiency

Telugu: Native or Bilingual Proficiency

Hindi: Limited Working Proficiency

INTERESTS

| AI | IoT | Startup's | Product Development | Entrepreneurship |

CERTIFICATES

AWS Solutions Architect Associate, Byte XL (Completed 60 Hour Course) (05/2023 - 06/2023)