

Purnendu Tiwari

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Education

VIT Bhopal University <i>B.Tech in Computer Science</i>	2023 – 2027
◦ CGPA: 8.90/10.0	
Kendriya Vidyalaya No. 1, Chhindwara <i>Class XII (CBSE)</i>	2021 – 2022
◦ Percentage: 92.4%	
Kendriya Vidyalaya No. 1, Chhindwara <i>Class X (CBSE)</i>	2019 – 2020
◦ Percentage: 86.2%	

Technical Skills

Languages: Java, JavaScript, TypeScript
Web: React JS, Node JS, Express JS, MongoDB, MySQL, Next.js
Cloud Services: AWS (S3, CloudFront, IAM, VPC), Cloudflare
Tools: Git, GitHub, Bitbucket, Jira, Docker
Workflow: Agile, Scrum

Experience

President <i>Software Development Club</i>	VIT Bhopal September 2024 – Present
<ul style="list-style-type: none">◦ Coordinated between various teams including logistics, tech, and content to ensure seamless execution of club activities and events.◦ Developed the SDC club website in collaboration with the team, contributing to its design and functionality.◦ Hosted Google's manager for a club event, facilitating engagement and knowledge sharing.◦ Became Google CrowdSource Influencer.	

Projects

Hostel Buddy — Full Stack
<ul style="list-style-type: none">◦ This project encompassed the hostel related queries and provided a platform for students to submit their issues and authorities to fix them all in a centralized platform.◦ Learning: Designing a centralized platform for efficient issue tracking, improving my skills in database management, real-time updates, and user-centric web development.◦ Tech Stack: MongoDB, Express-JS, React-JS, Node-JS.
MediSinCare Platform — Full Stack, ML, Cloud
<ul style="list-style-type: none">◦ Designed a secure full-stack healthcare platform to manage sensitive medical data, employing end-to-end encryption and strict access controls compliant with HIPAA and GDPR regulations.◦ Developed machine learning models that generate personalized healthcare recommendations and risk assessments, increasing user engagement by 40% through actionable, customized insights.◦ Integrated real-time interactive analytics dashboards that track patient health trends and provide predictive alerts, enabling proactive intervention by healthcare providers.◦ Implemented modular microservices architecture deployed on AWS cloud, enhancing platform scalability, reliability, and ease of maintenance.

Co-curricular Activities

- GirlScript Summer of Code: Rank 419
- 1st Runner Up, Zonal-Level Youth Parliament Competition
- 2nd Runner Up, National Debate Competition, Ek Bharat Shresth Bharat
- Diploma in Classical Music (Raja Mansingh Tomar Music Arts University Gwalior)

Certifications

- Introduction To Machine Learning - NPTEL (IIT Madras)
- The Bits and Bytes of Computer Networking - Google