Purnendu Tiwari

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Education

VIT Bhopal University *B.Tech in Computer Science*   *2023 – 2027*
- CGPA: 8.90/10.0

Kendriya Vidyalaya No. 1, Chhindwara *Class XII (CBSE)*   *2021 – 2022*
- Percentage: 92.4%

Kendriya Vidyalaya No. 1, Chhindwara *Class X (CBSE)*   *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

Projects

Hostel Buddy — Full Stack
- Designed a centralized platform for students to submit hostel-related queries, allowing authorities to track and resolve issues efficiently in real-time.
- **Learning:** Enhanced 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
- 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.
- **Key Achievement:** Developed ML models that generate personalized healthcare recommendations, increasing user engagement by 40% through actionable insights.
- **Tech Stack:** React JS, Node JS, Python (ML), AWS (Microservices), Docker.

Experience

President *Software Development Club*   *VIT Bhopal September 2024 – Present*
- 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.

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