Purnendu Tiwari

Rewa, India | +91 9685021295| purnendutiwari@gmail.com | linkedin.com/in/purnendu-tiwari-506622202 | github.com/purnendu5804

EDUCATION

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

TECHNICAL SKILLS

Languages: Java, JavaScript
Web: HTML5, CSS3, REST APIs
Cloud Services: AWS (S3, CloudFront, IAM) , Cloudflare
Tools: Git, GitHub, Bitbucket, Jira
Workflow: Agile, Scrum

PROJECTS

Hostel Buddy | *Full Stack*
- 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*
- 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.
- Optimized system performance under high traffic by utilizing load balancing, caching strategies, and continuous monitoring with automated alerts to ensure uninterrupted service delivery.

EXPERIENCE

Software Development Club	September 2024 – Present
Team Co-ordinator	*VIT Bhopal University*

- 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*