

# Bindupautra Jyotibrat

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## EDUCATION

### VIT Bhopal University

B.Tech in Computer Science with specialization in AI and ML (8th Semester, Ongoing)

- CGPA: 8.53/10.0

Bhopal, Madhya Pradesh

Aug. 2023 – Present

## EXPERIENCE

### Co-Coordinator

AI Innovators Hub VITB

- Organized and conducted a college-level hackathon to foster innovation in AI and ML
- Contributed to **Darzi-AI-Resume-Suite**, an AI-powered resume builder powered by LLMs and ATS
- Contributed extensively to projects, reviewed code via Git, and presented research at campus events

Sept. 2025 – Present

Bhopal, Madhya Pradesh

### Project Admin

GirlScript Summer of Code 2025

July 2025 – Nov. 2025

Remote

- Led development of **AI-Flow**, an AI Tools website with tools like Codee Explainer, Summarizer and many more
- Implemented authentication and database management using **Supabase**
- Built frontend with **React**, **TypeScript**, **Vite** and backend with **Node.js**, **JavaScript**
- Mentored contributors, reviewed PRs, and ensured project scalability during GSSoC 2025

### CyberSecurity Intern

The Red Users

Apr. 2025 – May 2025

Remote

- Configured and tested firewalls to enhance network security across systems
- Monitored network traffic using **Wireshark** to identify vulnerabilities and suspicious activity
- Documented security findings and provided recommendations for improving system resilience

## PROJECTS

### nEigent | React, Node.js, Gemini API, Supabase

Sept. 2025 – Sept. 2025

- Developed **nEigent**, an automation tool to detect data leaks across Discord, Slack, GitHub, and Google Drive
- Parsed recent files for API keys, passwords, and sensitive data to identify potential leaks
- Sent email alerts to users notifying them about leaks on specific platforms
- Built frontend with **React** and backend with **Node.js** and **Gemini API** for seamless integration

### Floor Planning Generative AI | React, Flask, Gemini API, ControlNet, Diffusion Models

Oct. 2024 – Apr. 2025

- Built a full-stack web app with **Flask REST API** and **React** frontend for AI-driven floor planning
- Developed a fused model combining **ControlNet** and **Diffusion Models** for floor plan generation
- Integrated **Google Gemini API** with Matplotlib to parse user prompts and structure floor layouts

### BotMed | Llama 7B, Deepseek 7B, React, Flask, Node.js, TypeScript

Jan. 2025 – Feb. 2025

- Developed **BotMed**, an AI-powered medical assistant integrating multiple models for image and text classification
- Fine-tuned **Llama 7B** and **Deepseek 7B** with medical datasets for accurate medical recommendations
- Built frontend with **React**, **TypeScript**, **Vite** and backend with **Node.js & Flask** for model integration
- Integrated image classification and NLP modules to classify medical images and text inputs for user queries

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, SQL, JavaScript, HTML, CSS, Ruby, Solidity

**Frameworks:** Node.js, Flask, Next.js

**Developer Tools:** Git, VS Code, IntelliJ, AWS, Google Colab, Supabase, Firebase, Kaggle, n8n

**Libraries:** pandas, NumPy, Matplotlib, PyTorch, Scikit-Learn, Tensorflow, React