

ANIMESH KUMAR

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science Sehore, Madhya Pradesh

CGPA: 8.32

November 2022 – October 2026

RK Vidyamandir

Bhagalpur, Bihar

Percentage: 76.8%

May 2022

ST. Teresa's School

Bhagalpur, Bihar

Percentage: 83%

May 2020

Technical Skills

Languages: Java, Python

Technologies/Frameworks: React.js, Node.js, Express.js, MongoDB

Developer Tools: VS Code, Git, GitHub, Postman

Projects

Green Commerce [\(link\)](#) [\(Link\)](#)

Apr'24

- Developed a scalable full-stack e-commerce platform using the **MERN stack**, promoting over **150 eco-friendly products** and serving more than **300+ test users** with a seamless user and admin interface.
- Implemented **JWT-based secure authentication** with **role-based access control**, building a custom admin dashboard that reduced product management time by **40%**.
- Integrated a real-time shopping cart with live inventory updates, increasing user interaction efficiency and reducing cart abandonment by **25%** during usability tests.
- Optimized backend RESTful APIs and **MongoDB aggregation queries**, improving average API response time by **~30%** and enhancing overall application load time by **2.5 seconds**.

Multiple Lifestyle Disease Prediction [\(Link\)](#)

Apr'25

- Developed a **web-based machine learning system** to predict **Diabetes, Parkinson's, and cardiovascular diseases** from patient input, targeting early diagnosis and awareness.
- Trained **3 individual models** using **scikit-learn, pandas**, and **NumPy**, achieving up to **92% accuracy** on validation datasets and reducing misclassification rates by **15%** compared to baseline models.
- Built a responsive **React.js frontend** that collects patient data and delivers predictions in **<800 milliseconds**, improving user response experience by **40%** during testing.
- Tested the system on **300+ anonymized patient records**, demonstrating **85%+ reliability** in practical health risk assessment scenarios through an intuitive and clean UI.

Imagine – AI Image Generator [\(Link\)](#)

June'25

- Built a full-stack AI image generator using the **MERN stack**, handling **100+ unique prompts** and delivering images in **<3 seconds** per request.
- Implemented a **credit-based system** with **5 free generations/user** and integrated **Razorpay**, resulting in **120+ successful transactions** during testing.
- Linked Razorpay API to **MongoDB-backed real-time credit tracking**, ensuring 100% accurate balance updates post-payment.
- Deployed a responsive UI with **live feedback** and **prompt history**, enhancing user retention during a **300+ session** test phase.

Academic and Extracurricular Achievements

- Led a cross-functional team of 5 members to the top 5 finalist in VIT Bhopal Summer of CodeFest competitive hackathon among 200 competing teams.

Certifications & Training

- Applied Machine Learning in Python [\(link\)](#)
- Ethnus AWS Solutions Architect – Associate [\(link\)](#)
- Ethnus MERN Full Stack [\(link\)](#)