

# Vaibhav Bhargav

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[Github](#) | [Linkedin](#) | [Portfolio](#)

## EDUCATION

### VIT Bhopal University

Bachelor of Technology

Major in Computer Science and Engineering  
Specialization in Health Informatics  
Cumulative GPA: 9.10

Schore, Madhya Pradesh, IN.

Aug 2022 – May 2026

## TECHNOLOGIES AND TOOLS

- **Languages:** Java, Python, JavaScript, HTML, Css, Sql.
- **Front-end:** ReactJS, Tailwind CSS, Material UI, Bootstrap .
- **Back-end:** Node.js, Express.js, Postman, Git, GitHub, Context-API, Appwrite, React Router, Socket.io.
- **Databases:** MongoDB, Relational Databases (PostgreSQL, MySQL) .
- **DevOps:** Docker.

## CERTIFICATIONS

- MongoDB Node.js Developer Path, MongoDB.
- Java Foundations Certified Junior Associate Certification, Oracle.
- Full Stack Developer MERN, SmartBridge.

## PUBLICATIONS

- Published a research paper titled “Human Drawing-Driven Automated Evaluation for Parkinson's Disease Detection” in IEEE conference, contributing to advancements in AI-driven healthcare diagnostics.

## WORK EXPERIENCE

### MERN STACK DEVELOPER

Feb 2025 – April 2025

Ceeras IT Services and IT Consulting

- Engineered 3+ scalable web platforms using MongoDB, Express.js, React.js, and Node.js, enhancing system responsiveness by 35%.
- Designed 20+ RESTful API endpoints, improving data flow efficiency.
- Integrated Passport and OAuth-based authentication, increasing user data security across 2 client applications.
- Optimized database architecture and indexing strategies.

## PROJECTS

### KIARA

[GitHub Repo](#)

E-Commerce Website

- Launched a responsive web-based storefront through enhanced navigation, secure transactions, and streamlined user flow.
- Implemented a Paypal payment gateway for secure and user friendly checkout of the items.
- Secured login and user access control using encrypted Passport-based systems.
- **Tools:** Node.js, Express.js, EJS, MongoDB, RESTful services, PayPal Payment Middleware.

### AI DIGEST

[GitHub Repo](#)

AI Model Discovery Dashboard

- Built an interface to track 50+ AI models from GitHub, Hugging Face, and ArXiv.
- Implemented live data feeds and auto-updating pipelines to highlight 30+ trending tools.
- Developed an automated newsletter system, through NodeMailer.
- **Stack:** React.js, Tailwind CSS, Express.js, MongoDB, RESTful APIs, GitHub/Hugging Face APIs, Nodemailer.

### ALZHEIMER'S DISEASE DETECTION

[GitHub Repo](#)

Research-Based ML Project

- Initialized deep learning models to classify Alzheimer's stages using 5,000+ MRI scans with 87% accuracy.
- Applied preprocessing techniques (normalization, resizing), improving model input quality by 30%.
- Designed custom CNN architectures to assess cognitive impairment severity, achieving a 90% precision rate.
- **Technologies:** Python, TensorFlow, Keras, OpenCV, NumPy, Pandas, Matplotlib.

## EXTRACURRICULARS

- Ranked among Top 10 in ZS Campus Beats among 2,000+ entries.
- Finalist at HackFinance – IIITD Fintech Hackathon (Student Division).
- Top 5 placement in MERN Hackathon, hosted by VIT Bhopal University..