

Parth Patil

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SUMMARY

Creative and Results-Oriented CSE student passionate about developing innovative technology solutions. Co-authored Research Paper in Healthcare Technology. Proficient in Java, JavaScript, SQL, Node.js, Express.js, AWS with hands-on experience developing Backend Systems. Possesses Strong Leadership and Communication Skills, honed through leading Content Teams and Anchoring Technical Events.

TECHNICAL SKILLS

Languages: Java, C++, JavaScript, Python Basics, SQL
Frontend: React.js, HTML5, CSS3

Backend: Node.js, Express.js, RESTful APIs, MongoDB
Tools & Platforms: AWS, Git, GitHub

PROJECTS

Health Ease | Backend Web Developer | <https://github.com/Parthpatil2605/Health-Ease> [Sept, 24 – Dec, 24]

A centralized digital health record platform designed for secure and efficient healthcare data management.

- Technologies: Node.js, Express.js, MongoDB, JavaScript, AWS, HTML, CSS
- Engineered the platform using Node.js and Express.js to manage patient records, appointments, and secure user authentication.
- Collaborated in a 5-person team to design the MongoDB database schema, ensuring data integrity and efficient querying for health records.
- Deployed the full-stack application onto an AWS EC2 instance, configuring the environment for public access and scalability.

VITStay | Backend Web Developer | <https://github.com/Parthpatil2605/VITStay> [Feb, 25 – Apr, 25]

A web application for smart hostel selection featuring 3D room visualization, roommate matching, and complaint management.

- Technologies: Node.js, Express.js, MongoDB, React.js, Three.js
- Developed the backend infrastructure to support key features, including a roommate matching algorithm, user profile management, and a real-time complaint lodging system.
- Created and managed APIs to serve 3D model data and hostel information to the React.js and Three.js frontend, enabling an interactive user experience.
- Designed the database schema to handle complex relationships between students, rooms, and complaints.

EXPERIENCE

Content Lead and Anchor | The Electric Vehicle Club, VIT Bhopal University [Feb, 24 – Present]

- Led the Content Team to create technical documentation, 3 newsletters, and promotional materials to boost member engagement.
- Anchored 3+ technical and promotional events for live audiences of over 300 students and faculty.

PUBLICATIONS

Co-authored "**HealthEase: Connecting Lives with Care**", a research paper accepted for publication at the IEEE WorldSUAS 2025 conference.

EDUCATION

VIT Bhopal University
Global Public School and Jr. College
Podar International School

BTech in Computer Science and Engineering [2023-27]
XII (State Board) [2023]
X (ICSE Board) [2021]

CGPA: 9/10
Percentage: 77.00
Percentage: 96.16

CERTIFICATIONS

Fundamentals of AI and ML, Python Essentials, MATLAB Onramp, Programming in Java, NPTEL Machine Learning.