SARTHAK PANDEY

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Work Experience

Backend Developer Intern | Addicor | Link   **October 2024 - March 2025**

- Programmed scalable backend services using Node.js and Express, improving server response time through code optimization and efficient routing
- Structured robust and scalable database schemas in MongoDB, ensuring data integrity and supporting complex queries for analytics and reporting
- Implemented secure authentication and authorization flows using JWT, enhancing user data protection and session handling
- Followed clean code principles and testable architecture patterns using modular services in Node.js

Projects

Slot – Git-like Version Control System(NPM Package) | GitHub | NPM   **January 2025**
Stack: *Node.js, Express, AWS S3, AWS EC2, CLI, JWT Auth, JavaScript*

- Created a Git-style CLI supporting **10+ core commands** (commit, push/pull, revert, clone), with UX-first features like auto-path resolution to streamline usage; published on NPM with 300+ downloads
- Orchestrated **10+ RESTful APIs** for secure repo sync/access, integrating **AWS S3** and token-based auth, with push blocking when local repo is out-of-sync with remote.
- Engineered a granular file-tracking engine covering **100% of file ops** (create, edit, delete, rename, move), fully synced with CodeSlot (repository hosting hub) for visual history tracking

CodeSlot – GitHub-style Repository Hosting Platform | GitHub | Codeslot.in   **March 2025**
Stack: *React, Node.js, Express, MongoDB, AWS EC2, AWS Amplify, AWS S3, JWT Auth*

- Developed a full-featured repository explorer with **Windows-style folder navigation** and per-commit views across 1000+ files, enabling seamless structure/history browsing
- Devised **5+ custom dev features** (starring, following, visibility toggles, search) with secure backend logic and AWS S3-backed architecture supporting 10,000+ repositories with complex file hierarchies
- Designed **25+ scalable REST APIs** for secure, decoupled frontend integration, powering metadata fetch, repo state sync, and commit tracking via AWS-backed infra

TravelHaven – Accommodation Exploration Platform | GitHub | Travelhaven.in   **September 2024**
Stack: *HTML, CSS, JavaScript, Node.js, Express, MongoDB, EJS, Cloudinary, Mapbox, Docker*

- Built a full-stack listing platform with custom **fuzzy search** and **15+ category filters**, designed to scale for 1000+ listings with fast and accurate discovery
- Constructed listing creation, editing, and moderation features with ratings, comments, and dynamic **Mapbox** integration capable of pinpointing 1,000+ cities and regions
- Architected responsive, **mobile-first UI** with server-rendered pages (EJS), cloud media handling via Cloudinary

Skills

- **Languages:** Java, JavaScript, TypeScript
- **Backend:** Node.js, Express.js, RESTful APIs, JWT, NestJS (basic), Microservices (basic)
- **Databases:** MongoDB, MySQL, PostgreSQL (basic)
- **DevOps & Cloud:** AWS (S3, EC2, Amplify), Docker, Render, CI/CD (GitHub Actions - basic)
- **Tools:** Git, GitHub, Postman, NPM, VSCode, Cloudinary
- **Frontend:** React.js, HTML, CSS, TailwindCSS, Bootstrap
- **Other:** Clean Code, Scalable Systems, API Integration, Version Control, Agile Collaboration

Education and Training

Professional Development and Training | Certificate | Certificate   **2023 - 2025**
Data Structures & Algorithms and Full-Stack Web Development   *Apna College*

Govt. Madhav Science College   **Aug 2020 – July 2023**
Bachelor of Science, Computer Science – CGPA: 7.51   *Ujjain, Madhya Pradesh*

Model Higher Secondary School   **2019 - 2020**
Higher Secondary (Science) – Percentage: 71.3%   *Ujjain, Madhya Pradesh*