

BHAVYA ANAND

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Experience

MonkSpaces.Ai (Internship)

03/2025 - ongoing | Bengaluru, KA

- Developed a scalable and secure File Management System leveraging React JS, Tailwind CSS, Express, Node.js, MongoDB, Multer, Cloudinary, and JSON Web Tokens (JWT) for end-to-end functionality

Oil & Natural Gas Corporation Limited (Internship)

12/2023 - 01/2024 | Dehradun, UK

- Developed a secure and scalable **File Management System** using React.js, Tailwind CSS, Node.js, Express, MongoDB, Multer, Cloudinary, and JWT, supporting 100+ concurrent uploads with robust authentication and cloud-based storage.
- Designed and implemented dynamic, mobile-responsive UI components with React.js and Tailwind CSS, enhancing user experience and achieving >95% API reliability through efficient RESTful services.
- Optimized file upload and storage processes by reducing average upload latency by ~30%, leveraging Multer middleware for server-side handling and Cloudinary for high-availability cloud storage.

Projects

MEDCHAIN | [\[GitHub Link\]](#) | ReactJS, PostgreSQL, SQLAlchemy, FastAPI, Python

- Developed MedChain, a decentralized healthcare platform using FastAPI, PostgreSQL, React.js, and Ethereum blockchain, ensuring tamper-proof medical records with blockchain verification.
- Achieved ~88% AI prediction accuracy for symptom-based disease diagnosis using SBERT, BioBERT, and lightweight CNN models integrated via microservices.
- Engineered secure access control with OAuth2, JWT, and RBAC, handling 1000+ concurrent API requests with sub-200ms average response time.

DESKCOLLAB | [\[GitHub Link\]](#) | NextJS 13, Supabase, Drizzle ORM, Typescript, Tailwind CSS

- Built DeskCollab, a SaaS platform enabling real-time collaboration and team management for 30+ users simultaneously using WebSockets and Supabase Realtime.
- Achieved <400ms latency for live document editing and cursor tracking using Operational Transformation techniques and websockets.

RESEARCHBOT | [\[GitHub Link\]](#) | Python, LangChain, OpenAI, FAISS

- Developed a research tool leveraging Langchain, OpenAI, and the FAISS vector database to enable users to input article URLs and ask context-based questions.
- Designed the tool to process and segment articles, generating embeddings for efficient and precise information retrieval.

CHAT | [\[GitHub Link\]](#) | ReactJS, Chakra UI, Firebase

- Developed a responsive Chat App using React JS, Chakra UI, and Firebase, enabling real-time, interactive communication with an intuitive user interface.
- Implemented features such as real-time messaging and robust data protection to ensure a seamless and secure communication experience for users.

Education

Vellore Institute of Technology

09/2021-2025 | Vellore, TN

Bachelor of Technology in Information Technology (CGPA: 8.80 / 10)

The Montessori School

03/2020-02/2021 | Dehradun, UK

12th ISC (Percentage: 95%)

Skill

Languages: C/C++, Java (Programming Language), Python, JavaScript, TypeScript

Databases: MySQL, MongoDB, Relational Databases, SQL (Structured Query Language)

Technologies and Frameworks: React JS, HTML, CSS, Bootstrap

Concepts: DSA, OOPS, DBMS, OS, Design Patterns, Agile Methods

Developer Tools: VS-Code, Eclipse, IntelliJ, Jupyter Notebook, Git/GitHub

Core Competency: API Development, Debugging & Troubleshooting, Communicator, Analytical

Achievements

- Solved 200+ DSA questions of different platforms (GFG & Leetcode)
- Completed the 2023 Web Development Bootcamp by Dr. Angela Yu.