BHAVYA ANAND

✆ 9557766961   ✉ bhavyaanand0911@gmail.com   🖵 bhavya-anand0911   ↩ BhavyaAnand0911

Experience

MonkSpaces.Ai - Software Development Engineer (*Internship*)   *03/2025 - ongoing* | Bengaluru, KA

- Contributed to the development and enhancement of core platform features, improving user experience and system efficiency by 15%.
- Implemented booking management improvements and automated workflows, leading to a 20% reduction in admin overhead.
- Identified and fixed critical bugs, optimizing system performance and improving report accuracy by 25% for better decision-making.

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.

ADMIN-EMPLOYEE SHIFT MANAGEMENT | [GitHub Link] | *ReactJS, MomentJS, ExpressJS, MongoDB, JWT*
- Implemented robust authentication and role-based access control (RBAC) using JWT, ensuring secure and granular access management for employees and admins.
- Designed and developed a shift management system where employees can set availability, and admins can create and assign shifts dynamically, optimizing workforce scheduling.
- Engineered a time-zone aware scheduling system to handle global employee shifts, ensuring accurate availability tracking and shift assignments across different time zones.

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, Angular, HTML, CSS, Bootstrap, Tailwind CSS

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

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

Achievements

- Solved 200+ DSA questions of different platforms (GFG & Leetcode)