

AVINASH N

FULL STACK / GEN AI DEVELOPER | TESTER | CLOUD COMPUTING ENTHUSIAST

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EXPERIENCE – Internship

Software Developer Internship (Grid R & D)

May 2025 – Present

- Built AI video-based interview functionality where candidates could answer technical questions, and the AI system evaluated responses to determine technical knowledge and assign performance scores. <https://visume.co.in/>
- Worked across the full stack using React, Node.js, Express.js, MySQL, Prisma, and AWS S3, ensuring seamless data handling, file storage, and scalability.
- Implemented secure authentication, authorization, and routing to safeguard sensitive candidate and employer data.
- Collaborated closely with the team to design and refine workflows, contributing to both frontend UI/UX and backend API architecture.

MERN Stack Developer Internship (Samagra Technologies, Mangalore)

Nov 2023 - Jan 2024

- Built responsive applications using React, Node.js, Express.js and MongoDB.
- Tested API integration with Postman and handled UI bug fixing across browsers.

JAVA Full Stack Development Internship (Kodnest, Bangalore)

Jan 2024 – Apr 2024

- Built full-stack solutions with Java, Spring Boot, and Hibernate.
- Implemented unit testing using JUnit and participated in debugging sessions to resolve issues.

PROJECTS

MERN Stack App with Real-Time Messaging [Live](#)

Oct 2024 - Dec 2024

- Real-time chat app with online status, secure auth, and Socket.IO integration.
- Skills - React, TailwindCSS, Express.js, MongoDB, Zustand, JWT, Docker | Tested with Postman. [GitHub REPO](#)

Book – Store [Live](#)

Jan 2025 – Feb 2025

- Book Store is a Next.js application, featuring a seamless user experience for book discovery, management, and library.
- Skills – Next.js, PostgreSQL, TypeScript, Drizzle ORM, Tailwind CSS, NextAuth. [GitHub Repo](#)

Task Management App Nextjs [Live](#)

Dec 2024 – Jan 2025

- The TaskManager App is a feature-rich task management tool built with modern web technologies. [GitHub Repo](#)
- Skills – Frontend: Next.js (React server-side rendering), Tailwind CSS | Backend: MongoDB | Authentication - Clerk

Vulnerability Detection System (MCA)

Jan 2024 - Aug 2024

- Built a robust system to detect and mitigate SQL injection attacks and other vulnerabilities. Tracked and displayed intruder details such as browser, IP address, and geo-location, Suggested password policies.
- Skills - Backend: Flask | Database: MySQL | Frontend: HTML, JavaScript, Bootstrap [GitHub REPO](#)

TECHNICAL SKILLS

- Frontend** : HTML5, CSS3, JavaScript, React.js, Next.js, TypeScript, TailwindCSS, Bootstrap.
- Backend** : Node.js, Java, Python, Express.js, SpringBoot.
- Database**: MongoDB, MySQL, PostgreSQL.
- AI Platforms & Tools**: Github Copilot, Claude CLI, Google Gemini, Azure OpenAI.
- AI Development Skills**: Prompt Engineering, Retrieval-Augmented Generation (RAG) Systems, AI API Integration.
- Cloud Platforms**: AWS(EC2, S3, Lambda, API Gateway), Microsoft Azure, GCP(Vertex), Firebase
- DevOps & Containerization**: Docker, Github Actions, Git, GitKraken.
- Testing**: Selenium, Postman, API Testing, Manual Testing.
- Computer Science Fundamentals**: Data Structures & Algorithms, OOPS, DBMS, Operating System.

EDUCATION

Master of Computer Application – MCA (VTU)

Oct 2022 – Sep 2024

Post Graduate – Srinivas Institute of Technology, Mangalore CGPA: 8.85

Bachelor of Science – BSc (MU)

Feb 2017 – Jul 2019

Graduate – Bhandarkar’s Arts & Science College, Kundapura Perc: 68.24%

CERTIFICATIONS

- Developing Websites and Front-Ends with BootStrap (IBM, Coursera) Sep 2024
- Microsoft Certified Azure Fundamentals (Microsoft) Jul 2024
- Cloud Computing, Computer Networks, Data Mining (IIT Kharagpur, NPTEL) Apr 2024
- Modern React with Redux (Udemy) Oct 2024
- Fundamentals of Docker & Kubernetes (Scaler) Feb 2025