

BISHAL DE

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Bengaluru, Karnataka

ROLES

Freelancer ♦ Full Stack Developer ♦ Machine Learning, Deep Learning & Gen-AI/LLMS ♦ DevOps ♦ Platform Engineer

EDUCATION

Bachelors of Technology in Computer Science & Engineering w/s in AI & ML Sep 2021 – July 2025
SRM Institute of Science & Technology, Chennai, IND CGPA 9.76

Class 10th & 12th May 2019 & July 2021
Bhavan's Kesari Devi Kanoria Vidya Mandir, Renukoot, IND 97% & 95.4%

SKILLS

Languages:	Python, JavaScript, Go, C++
Frontend:	HTML, CSS, SCSS, Tailwind, Bootstrap, ReactJS, NextJS, Svelte Kit
Backend:	NodeJS, ExpressJS, Django, Flask, FastAPI
Database:	MySQL, MongoDB
Android Development:	React Native
DevOps & Observability:	AWS, Docker, Kubernetes, Terraform, Git, CI/CD, Datadog, Prometheus, Grafana Stack

EXPERIENCE

Software Development Engineer – L1 June 2025 – Present
[Twilio](#) Remote/Bengaluru, KA

- Currently part of Twilio's **Observability** team under the Communications (**coms**) business unit, contributing to the reliability and performance monitoring of distributed systems.
- Primary development involves coding in **Python** and **Go**, with a focus on backend services and observability tooling.
- Utilized **Datadog** for monitoring metrics and traces, and proficient in the **Grafana** stack, **Prometheus**, and have working knowledge of **Nagios** for legacy monitoring setups.
- Experienced with CI/CD pipelines using **Buildkite**, actively manage and deploy cloud infrastructure and services on **AWS**.
- Actively participate in internal hackathons, building innovative tools and observability solutions to improve monitoring, alerting, and performance insights across platforms.

Software Developer Intern Aug 2024 – May 2025
[Nokia](#) Bengaluru, KA

- Collaborated and part of the **Cloud and Networking Services (CNS)** team and the **AI-R&D** team to enhance the productivity of internal platforms and client solutions.
- Developed and optimized full-stack applications using **Next.js**, **Express.js**, and **Flask**, incorporating **Python** and **C++** for backend functionalities within microservice architectures.
- Leveraged **Docker**, **Kubernetes**, and other **DevOps** tools to streamline deployments and manage containerized applications.
- Actively participated in **Hackathons**, implementing solutions that integrate **RAG** (Retrieval-Augmented Generation) and large language models (**LLMs**) to drive innovation and performance gains across platforms. And presented some product demo to Vice President also.

Cloud & Digital Analytics Intern Jan 2024 – July 2024
[PwC](#) Remote

- Acquired hands-on experience with core **IT fundamentals**, **RDBMS**, **Python**, and **Data Engineering** concepts, utilizing Python with libraries **Pandas**, **NumPy**, and **Seaborn** to drive data analysis and visualization projects.
- Developed proficiency in database management, foundational software development, and data processing methodologies to support analytics and digital transformation initiatives.

Full Stack Software Developer Intern Oct 2023 – Dec 2023
[Reflow Technologies](#) Chennai, TN

- Designed, developed, and deployed fully functional websites for clients such as **Malladi Drugs** and **Elettrico**, ensuring responsive, user-centred experiences.
- Utilized full-stack technologies, including **Next.js** for frontend, **Firebase** for backend services, and **MongoDB** for data storage, along with **MQTT** protocol for real-time communication.
- Leveraged **Linux** for server management and implemented efficient workflows, demonstrating proficiency across both frontend and backend development.

FREELANCING PROFILE

Fiverr

5 Stars

Full-Stack Web Developer & Machine Learning Specialist with 3+ years of experience in developing and deploying applications using the MERN stack. Demonstrated success in delivering high-quality projects for clients across various regions, including international clients. Proficient in JavaScript, TypeScript, Node.js, React, Express, MongoDB, and Firebase, with experience in Flask, Django, and Next.js for server-side and full-stack development. Skilled in HTML, CSS, and Bootstrap for responsive front-end design, as well as in C++ & C for performance-critical tasks. Successfully completed numerous live projects, showcasing the ability to create robust and scalable solutions tailored to client needs worldwide.

ACHIEVEMENTS

M2P Hackathon

Jan 2023

Rank: 1st

- Addressed **real-time business challenges** during the M2P Hackathon by **fine-tuning** a machine learning model to enhance data accuracy and relevance for company-specific use cases.
- Conducted comprehensive **web scraping** to gather essential data inputs for the model, significantly improving its predictive capabilities and aligning it with the company's operational needs.

Bajaj Finserv Appathon

Feb 2024

Rank: 1st

- Developed an **AI-powered app** assistant leveraging the **LLAMA-2** model, enabling users to upload financial documents and interact with them through **natural language** queries.
- Implemented functionality for users to ask **finance-related** questions, providing **real-time advice** and **insights** based on document content and general financial knowledge, enhancing user engagement and decision-making.

Synapse Hackathon

May 2024

Rank: 2nd

- Sponsored by IEEE IEM CS. Successfully developed a Realtime analytics dashboard using **NextJS** and **MaterialUI**.

PROJECTS

- NOKIA Documents Navigator** is a web tool that simplifies navigating and analysing 3GPP standards. Using Retrieval-Augmented Generation (**RAG**) and large language models (**LLMs**), it allows users to upload documents, which are stored as **vector embeddings** for easy similarity search. Users can query the system for relevant context, and it generates accurate responses. The platform also supports multimodal inputs like images and URLs, prioritizing open-source LLMs for security and cost efficiency while handling sensitive documents.
- Generative AI based Financial Advisor** Created an assistant that leverages the LLAMA-2/ OpenAI / Gemini model, users can upload financial documents and ask questions based on the document. Users can also ask finance related questions for advice and insights.
- Interactive KYC Verification** allows you to complete the KYC process in a conversational manner, supporting multiple languages. Using **WebSocket's** and **LLMs**, it enables real-time interactions, simulating natural language for a seamless, dynamic experience
- QRBuilder** Develop a modern GitHub Crawler website using **React**, harnessing the **GitHub API** to enable users to explore repositories, view user profiles, and discover trending projects, all while delivering an engaging and responsive user interface.
- ProjectTree** Is an open-source platform for showcasing your projects, providing a collaborative space to exhibit and explore diverse works within the developer community.
- Shrinkk** The Link Shortened service on **Django**, offering concise URLs for tracking, branding, and easy sharing of links.

SCHOLARSHIP & ACHIEVEMENTS

College - SRMJEE Merit Scholarship

SRMJEE Rank 137

Achieved SRMJEE Rank 137, awarded **100%** tuition fee waiver.

Merit Recognition

10 CGPA

Attained a perfect 10 CGPA in both the 1st, 4th & 8th semesters.

10th & 12th School Topper

97% & 95.4%

Secured the top position in both Class 10 and 12, earning recognition from **LIC**, **Amar Ujala**, and **Hindalco Industries**.

LANGUAGES

◆ English Fluent

◆ Hindi Fluent

◆ Bengali Birth

◆ Japanese Learned in College