

BHAVYA MITTAL

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SKILLS

Programming: C, C++, Python, JavaScript
Frameworks: ReactJS, HTML, CSS, NodeJs, ExpressJS, RestAPI, FastAPI, Tailwind
Tools: Git, GitHub, VS Code, Bootstrap, GenAI
Database: MySQL, MongoDB, PostgreSQL, Redis

WORK EXPERIENCE

Software Engineer (Full-time) June 2025 – Present
Sovish Technology Solutions Pvt. Ltd. (CodeCarbon) Noida, India

- Engineer robust, end-to-end features for a scalable compliance management platform, architecting full-stack solutions with React.js, Next.js, TypeScript, and Django that serve large-scale enterprise clients.
- Architect secure, modular, and well-documented REST APIs in Django to orchestrate multi-organization compliance workflows, and automated governance processes across various regulatory domains.
- Integrate sophisticated authentication systems, efficient file management pipelines, and dynamic form engines to power highly customizable data governance and streamline complex regulatory workflows with precision.

Backend Intern (Onsite) March 2025 – May 2025
NeoAmyra AI Solutions Pvt. Ltd. (WeyaAI) Noida, India

- Developed scalable backend services using Node.js and TypeScript, with contributions to frontend modules in Next.js, supporting production-grade communication systems.
- Implemented and optimized VoIP solutions using Plivo and Twilio, incorporating real-time web calling, call streaming, and bidirectional socket communication for event-driven updates.
- Designed a concurrency-aware call processing pipeline using AWS SQS, Redis (ElastiCache), and S3, applying mathematical statistics to monitor call success metrics and enhance overall system performance.

FullStack Intern Nov 2024 - Feb 2025
Faze Technologies India Pvt. Ltd. (FanCraze) Mumbai, Maharashtra

- Maintained scalable microservices using Node.js to support the Backend-for-Frontend (BFF) architecture.
- Optimized MongoDB integrations for secure APIs, enhancing performance, and ensuring data consistency.
- Built responsive and dynamic user interfaces using React.js and Next.js, enhancing user engagement and delivering a seamless cross-platform experience.

SDE Intern Sep 2024 - Nov 2024
Deepsynergy Tech Pvt. Ltd. (Kare AI) Bangalore, INDIA

- Optimized AI chat interfaces with ReactJS, TailwindCSS, and Recharts for better visualization and user experience.

PROJECTS

- **JOBHACK :** [Link](#)  : ReactJS, NodeJS, ExpressJS, MongoDB
Built a job web app platform with user registration, job postings, & applications. Implemented JWT-based authentication and role-based auth. Utilized $O(n)$ algos and data normalization for efficient performance.
- **SEHAT APP :** [Link](#) : Python, Scikit-Learn, Google Colab, Streamlit
Implemented training of machine learning models on vast medical datasets, resulting in 89% accuracy in predicting diabetes and 93% accuracy in forecasting heart disease risks; enabled users to take charge of their health, potentially reducing adverse health outcomes by up to 30%.
- **SLACK WEB APP :** [Link](#)  : ReactJS, NodeJS, ExpressJS, MongoDB, PostgreSQL
Engineered a collaborative communication platform using React, NodeJS, Express, MongoDB, PostgreSQL; Real-time messaging, file sharing, & task management features led to a 37% reduction in communication latency, 22% increase in file exchange efficiency, & a 15% boost in task completion rates.

- **MED-BUDDY** : [Link](#) : *ReactJS, FastAPI, GenAI, MongoDB*
Developed an advanced AI-driven chatbot utilizing the Gemini Pro model to streamline the process of booking medical consultations. MedBuddy reduces administrative burdens by automating appointment scheduling & enhances the overall patient experience by providing seamless communication between patients & healthcare providers. The chatbot improves efficiency, helping healthcare organizations better manage their resources while ensuring patients receive timely & personalized care.
- **NEXUS** : [Link](#) : *ReactJS, FastAPI, PostgreSQL, MongoDB, GenAI*
Developed an AI-powered data analyst platform enabling natural language queries on structured datasets like SQL, CSV, and Excel. Integrated advanced reasoning techniques (CoT, ToT) for enhanced logical inference, achieving 96% query accuracy. Designed intuitive dashboards and visualizations to simplify data insights, making data analysis accessible to non-technical users.
- **DHANVANTRI APP** : [Link](#) : *Kotlin, TensorFlow, JSON*
Dhanvantri is an Android app utilizing TensorFlow for plant recognition, identifying species with over 90% accuracy. Developed in Kotlin, it seamlessly integrates with device cameras and galleries. With detailed information about each plant, users can explore over 100 medicinal species, fostering botanical education & awareness.
- **SECURITY SYSTEM** : [Link](#) : *C++*
Designed and implemented a secure password management system in C++, featuring user auth, password encryption, and multi-factor authentication. Incorporated robust security measures to protect user credentials & reducing the risk of unauthorized access by over 95%.
- **MINI C# COMPILER** : [Link](#) : *C#*
Developed a mini-compiler for arithmetic expressions in C#, achieving 98% parsing accuracy & evaluating complex expressions with up to 50 operations. Integrated a syntax tree visualization tool, reducing error resolution time by 40%.
- **INVOICE DETAILS EXTRACTOR** : [Link](#) : *Python, PaddleOCR, PyMuPDF, GENAI, Streamlit*
Developed an invoice extraction tool that processes PDFs & img with 98% accuracy. Leveraged OCR and GENAI to structure data, supporting multiple formats & enhancing data extraction efficiency.

ACHIEVEMENTS

Hackathons

- **AISummit2024** by KareAI WINNER

Competitive Programming

- **ICPC** [India 2023](#) AIR 37 (ICPC Kanpur Regional)
- **GOOGLE** [KickStart](#), **META** [HackerCup](#) Rank: 3518th, Rank: 3532th
- **CodeChef**[bhavya.1729](#), **Codeforces** [bhavya.1729](#) "3 Stars 1687 rating", "Specialist, 1427 rating"
- **LeetCode** [bhav1729](#) Knight, 1000+ problems, 1880+ rating

EDUCATION

- **JSS Academy of Technical Education** (Expected 2025)
B.Tech Computer Science Engineering **CGPA:** 8.69
- **Relevant Coursework:** Web Development, Database Management Systems, Data Structures & Algorithms, Machine Learning, Computer Networks

EXTRACURRICULAR ACTIVITIES

- **Google Developer Student Clubs (Programming Head):** Led workshops, seminars, & tech events such as SORTED & CRACK THE SHELL, impacting over 500 students while promoting innovation & collaboration.
- **Hackathons:** Competed in Smart India Hackathon, Flipkart Grid 5.0, HackOn with Amazon 3.0, TVS Credit E.P.I.C 5.0, & Accenture Innovation Challenge.