

BHASKARA K S

FULL STACK DEVELOPER

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EDUCATION

BACHELOR OF COMPUTER APPLICATIONS (BCA)

MIT First Grade College, Mysore

2022 – 2025

TECHNICAL SKILLS

FRONTEND ENGINEERING

- React.js, JavaScript (ES6+), Typescript, HTML5, CSS3, Tailwind CSS, Cloudinary
- API-driven SPAs, authentication-aware UI flows, dashboards, image uploads
- Environment-based API configuration, HTTP error handling
- Stateless UI design with strict API contracts

BACKEND ENGINEERING

- Node.js, Express.js, Core PHP, Python, REST API development
- Authentication (sessions, cookies)
- CRUD operations with relational data integrity
- Secure file & image uploads
- Password hashing, validation, access control, CORS

MACHINE LEARNING (ACADEMIC)

- Algorithms: SVM, KNN, Logistic Regression, Random Forest
- Deep Learning: CNN, ResNet, EfficientNet, YOLOv8

CLOUD & TOOLS

- AWS (EC2, RDS, S3), Netlify, Render
- Git/GitHub, Postman, curl, environment configuration

DATABASES & DATA MODELING

- MySQL, SQLite, MongoDB
- Normalized schemas with explicit relationships
- Schema-first design separating authentication and domain data

LANGUAGES

English 

Kannada 

Hindi 

PROFILE

System-oriented full-stack engineer experienced in building end-to-end production systems across frontend SPAs, backend APIs, databases, cloud infrastructure, and ML pipelines. Strong engineering judgment with security-first backend design, stateless frontend architecture, and ownership from design to production stabilization.

ENGINEERING SCOPE

- Frontend application development (API-driven SPAs)
- Backend REST API engineering
- Relational database design & optimization
- Cloud infrastructure setup and deployment
- Machine learning & computer vision pipelines
- Debugging, deployment, and production stabilization

PROFESSIONAL EXPERIENCE

Machine Learning Intern

Intrella Pvt Ltd, Bengaluru | June 2024 – August 2024

- Designed and optimized ML pipelines using Scikit-learn and Pandas, improving prediction accuracy from 72% to 90%.
- Preprocessed and managed 10,000+ records, reducing data preparation time by 35%.
- Deployed trained models as Flask REST APIs for real-time inference.
- Collaborated on ML integration into application workflows with log-based debugging and API testing.

Portfolio Website and Git Links

- GitHub Profile: [Bhaskar KS](#)
- Full-Stack CMS Platform** – Node.js + React system with dynamic content management and live preview
- With scalable architecture, real-time content management, and seamless frontend ([Link](#)) -backend ([Link](#)) integration.

TYPESCRIPT

- Knowledge of TypeScript fundamentals, static typing, and compilation process.
- Experience using tsconfig.json and strict mode.
- Understanding of TypeScript type system (primitive types, arrays, tuples).
- Familiar with special types: any, unknown, void, never.
- Knowledge of type inference, contextual typing, and narrowing.

FLAGSHIP PROJECTS

Shiftoz CMS – Backend & API Management System

PHP | MySQL | REST APIs | AWS

Production Backend System | Client Project (Built & Delivered)

- Developed a production-ready PHP CMS backend for vendor and content management
- Built REST APIs for CRUD operations, image uploads, and status control
- Implemented session-based authentication, access control, and environment configuration
- Designed modular architecture separating private logic from public APIs
- Created relational MySQL schema ensuring structured data handling
- Configured CORS for seamless frontend integration

Full-Stack CMS Platform (Dynamic Content Management)

Node.js | Express | React | MongoDB | Cloudinary | Render

- Built a full-stack CMS platform for dynamic content creation, editing, and preview
- Designed modular backend (controllers, services, middleware) with REST APIs
- Implemented authentication and secure route handling
- Developed React frontend with reusable components and live preview system
- Integrated Cloudinary for media handling and deployed on Render

Cloud-Backed CMS with Secure Image Upload

React.js | Backend APIs | MySQL | AWS (EC2, RDS, S3)

- Built CMS with authentication and role-based access control
- Developed backend APIs for vendor/service management
- Integrated S3 for image uploads and storage separation
- Deployed frontend and backend independently

DEBUGGING & OPERATIONAL PRACTICES

- API testing using Postman and curl
- Log-driven debugging and root-cause analysis
- Backend validation independent of frontend
- Incremental deployment verification

ACHIEVEMENTS

- Successfully developed AI-based academic projects with high accuracy.
- Maintained strong academic performance in computer applications.
- Recognized for fast, accurate typing and data entry tasks during internship.
- Balanced skills in both data operations and coding projects.

CERTIFICATIONS

1.Internship in Machine Learning – Intrella Pvt. Ltd.