

PRAKASH KUMAR

+91-790-365-4862 | prakash.052101@gmail.com | [Blogsage](#)

[in](#) [LinkedIn](#) | [GitHub](#) | [Leetcode](#)

Bengaluru, Karnataka - 560037, India

PROFESSIONAL SUMMARY

Backend Developer and Full-Stack Engineer with experience in building scalable web applications and SaaS systems using the MERN/MEAN stacks. Proficient in CI/CD automation, DevOps practices, and cloud platforms including AWS, GCP, and Firebase. Hands-on with real-time systems, API development, Redis caching, and security integrations. Deep interest in AI/ML applications with project experience in OpenCV, YOLO, PyTorch, and OpenAI GPT models.

EXPERIENCE

• Accenture

Packaged App Development Associate (Apr 2024 – Present)

Bengaluru, India

- Trained in MEAN stack development through Accenture's internal training program, building strong foundations in Angular, Node.js, Express, and MongoDB.
- Assigned as an Adobe Magento Developer; contributed to resolving over 50+ user stories and bug fixes across multiple production websites.
- Wrote and executed unit tests using PHPUnit and Jasmine, enhancing code reliability and reducing post-deployment bugs by 20%.
- Participated in automation testing efforts, scripting reusable test cases to streamline quality assurance pipelines.
- Independently developed and deployed a sports venue booking platform using Angular and Firebase as part of a self-initiated learning application, demonstrating full-stack capability and cloud integration skills.

EDUCATION

• Visvesvaraya Technological University

B.E. Computer Science and Engineering (July 2019 – June 2023)

Bengaluru, India

- CGPA: 8.71/10.00

PROJECTS

• BLOGSAGE: Online Blogging Platform

Sept 2024 – Present

Tools: MERN Stack, Firebase, Redis, Docker, Jenkins, Nginx, GitHub Actions, Let's Encrypt, Google OAuth

 [blogsage.in](#)

- Developed a full-stack blogging platform using the MERN stack, featuring a rich text editor, user authentication, and a real-time comment system.
- Implemented CI/CD pipelines using Docker and Jenkins to automate deployment on a self-hosted Ubuntu server with Nginx reverse proxy and SSL encryption.
- Integrated Firebase for email-based OTP verification and Google OAuth to enhance secure and user-friendly authentication.
- Leveraged Redis for caching and asynchronous email queueing, significantly improving response times and system performance.

• SMART GLASSES: AI-Powered Assistive Wearable

Oct 2022 – March 2023

Tech Stack: Python, PyTorch, OpenCV, YOLO, MediaPipe, NumPy, Torch, OpenAI GPT API

 [GitHub](#)

- Developed an AI-powered wearable device that supports object detection, gesture control, and real-time voice queries using OpenCV and OpenAI's GPT API.
- Designed intuitive gesture-based interfaces (e.g., virtual keyboard, volume control) using MediaPipe and OpenCV.
- Implemented a game-playing AI using an AlphaZero-inspired Monte Carlo Tree Search algorithm for Connect Four and Tic-Tac-Toe.
- Integrated YOLO for real-time scene understanding to assist visually impaired users in navigating their environment.

SKILLS

- **Programming Languages:** Python, JavaScript, C/C++, Java
- **Web Technologies:** MEAN Stack, MERN Stack, HTML5, CSS3, REST APIs
- **Database Systems:** MySQL, MongoDB, Firebase Realtime Database & Firestore
- **Cloud Technologies:** Amazon Web Services (EC2, S3), Google Cloud Platform (App Engine, Firebase)
- **DevOps & Version Control:** Git, Jenkins, Docker, Nginx, Redis