

Ashish Raj

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[Portfolio](#)

Detail-oriented Full Stack Software Developer proficient in JavaScript, React.js, Node.js, MongoDB, Java, and Python. Experienced in building scalable web applications and APIs, with a strong foundation in data structures and software engineering principles. I'm also passionate about Data Science and love solving problems using Machine Learning and Data Structures & Algorithms (DSA). Skilled at delivering efficient, user-focused solutions using modern development tools and industry best practices.

INTERNSHIP

Java Programming Intern,
Digital Bhem(remote)

March 2025 – June 2025

- Developed Java-based applications and collaborated with the team to enhance performance, debug code, and follow best practices.

TECHNICAL SKILLS

- Java, Python, JavaScript, C
- React.js, Node.js, Express.js, Spring Boot
- HTML, CSS
- MongoDB
- DevOps: Basic understanding of CI/CD, version control, and cloud deployment
- UI/UX Design: Basic understanding of design principles and user experience

PROJECTS

AI Text Summarizer App

– Built an NLP-powered application to generate concise summaries from large documents and manual inputs. Integrated support for PDF and text file uploads using Multer and pdf-parse. Leveraged NLP.js for efficient summarization and designed an intuitive UI for seamless user interaction.

Smart Job Portal

– Developed a full-stack job portal with role-based access for Admin, Recruiter, and Job Seeker. Enabled job posting, application tracking, and personalized search features. Built with React.js, Node.js, Express, and MongoDB, using JWT for secure authentication. Added resume upload, smart job matching, and optimized backend performance for scalability.

Fire Detection System Using Machine Learning

– Built a real-time fire detection system using CNNs with 90% accuracy. Utilized Python, TensorFlow/Keras, and OpenCV for image processing and model deployment. Enhanced model robustness through data preprocessing and augmentation. Integrated an alert mechanism for immediate notifications, ensuring reliable performance in low-light and high-smoke conditions.

EDUCATION

Master of Computer Applications – Nitte Meenakshi Institute of Technology

Bachelor of Computer Applications – CIMAGE Professional College