

UTKARSH SINHA

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Education

Banaras Hindu University

2022 - 2025

Bachelor's Of Vocation In Computer Applications

Varanasi

Projects

- **Indian Financial Management SaaS — React Native, Expo, Node.js:** Developed a full-stack business management platform with Indian GST compliance, implementing automated tax calculations (CGST/SGST/IGST), real-time financial dashboards, and RESTful APIs serving enterprise clients.
- **QuizCraft.in - AI-Powered Document-to-Quiz Generator — React.js, OpenAI API, PDF Processing:** Developed an intelligent quiz generation platform that converts documents into interactive assessments using OpenAI GPT-4 API, implementing advanced OCR with Tesseract.js for scanned PDFs, multi-format document support (PDF/DOCX/images), and real-time batch processing with 60% faster document analysis.

Experience

Software Development Engineer Intern

December 2024 - June 2025

Staffchahiye.com

Varanasi

- Architected and developed a scalable job platform using React.js, Node.js, and MongoDB, integrating WhatsApp Business API, OpenAI API, and IVR systems to process 1,500+ daily job applications with microservices architecture.
- Built a real-time analytics dashboard using React.js with Chart.js integration and Node.js backend, implementing WebSocket connections for live data updates, reducing hiring cycle time by 40% through data-driven insights.
- Designed and implemented scalable employee management system with user authentication, role-based access control, and real-time notifications, onboarding 12,000+ job seekers with 25% month-over-month growth.

Full Stack Developer Intern

Aug. 2023 - Dec. 2024

OpyraInfotech

Varanasi

- Developed the official AIC BHU mobile application using React Native and Expo, implementing responsive UI/UX design, real-time data synchronization, and push notifications, and form-handling.
- Built dynamic web applications using React.js with modern state management, implementing RESTful APIs, responsive design principles, and performance optimization techniques to deliver seamless user experiences across devices.
- Created custom WordPress themes and plugins for client websites, implementing SEO optimization, responsive design, and e-commerce functionality, resulting in 40% improvement in page load times and enhanced user engagement.

Technical Skills

- **Frontend Development:** React.js, React Native, Expo, TypeScript, JavaScript, HTML5/CSS3, Redux, Bootstrap, Tailwind CSS, Redux, Material-UI
- **Backend Development:** Node.js, Express.js, Python, Flask, Django, RESTful APIs, GraphQL, WebSocket, Microservices
- **Databases & Cloud:** MongoDB, MySQL, Redis, AWS (EC2, S3), Firebase, Docker, Kubernetes, CI/CD
- **Programming Languages:** JavaScript, TypeScript, Python, Java, C++, SQL, HTML/CSS
- **Development Tools:** Git, GitHub, VS Code, Postman, Jira, Linux, Apache, Nginx
- **APIs & Integrations:** REST APIs, OpenAI API, Google Maps API, WhatsApp Business API, Payment Gateways, OAuth