

SHIVKIRAN CHITKULWAR

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Education

Shri Guru Gobind Singhji Institute of Engineering and Technology <i>Bachelor of Technology in Computer Engineering</i> (CGPA: 8.85 / 10.00)	Aug 2021 — May 2025 Nanded, Maharashtra
Heritage International Junior College <i>Higher Secondary Certificate (HSC)</i> (Percentage: 97%)	Aug 2020 — May 2021 Nanded, Maharashtra
Jawahar Navodaya Vidyalaya <i>Secondary School Certificate (SSC)</i> (Percentage: 94.4%)	Aug 2018 — May 2019 Nanded, Maharashtra

Experience

FLAME University Software Developer Intern (Onsite) (Under the mentorship of Prof. Prajish Prasad, Assistant Professor – Computer Science)	Feb 2025 – Present Pune, Maharashtra
<ul style="list-style-type: none">Built an eye-tracking application with WebGazer.js to help admins and researchers analyze user attention.Developed full-stack features using Next.js, React, MongoDB, Clerk (OAuth), and WebGazer.Handled complete testing and deployment across both frontend and backend, streamlining development.Improved development speed and accuracy by independently managing the entire project lifecycle.	
Wayport (Startup) Full Stack Developer (12+ Months) [View Certificate]	Dec 2023 – Dec 2024 Nanded, Maharashtra
<ul style="list-style-type: none">Developed a multi-modal travel application suggesting optimal routes using multiple transport modes.Implemented frontend using React.js and managed backend services with Node.js and Express.Integrated MySQL for efficient data storage and retrieval; performed data analysis to support route optimization.Utilized AWS (EC2, S3) for deployment, Docker for containerization, ensuring scalable and reliable deployments.Collaborated on UI/UX design and system architecture to deliver a seamless, user-centric travel experience.	

Projects

Jyeshthanubandh <i>React Native, Vue.js, Flask, PostgreSQL, AWS (EC2)</i> [Government App]	Link
<ul style="list-style-type: none">Developed and deployed a senior citizen app with 21,000+ users, in collaboration with the PCMC Commissioner.Implemented real-time one-tap emergency alerts connecting users to the Police Control Room, with instant display of user profile, medical history, and location on the admin dashboard for faster response.Integrated verified emergency contacts, government scheme information, and personalized healthcare coordination features to enhance user support.Received a certificate of appreciation from the Honourable Chief Minister of Maharashtra [View Certificate]	
LinerPix <i>Next.js, Clerk (OAuth), Gemini AI, MongoDB, WebGazer.js, React Voice Recognition, OpenAI</i>	Link
<ul style="list-style-type: none">Engineered an AI-driven interactive platform that converts user-input stories or articles into sequential visual illustrations, maintaining character consistency using Gemini AI and deployed with Next.js and MongoDB.Integrated voice recognition (React Voice Recognition) and eye-tracking (WebGazer.js) to enable real-time reading comprehension analysis, tracking mispronunciations and gaze behavior.AI-based content generator for auto-creating storylines and visuals, with Clerk (OAuth) secure authentication.	
Faculty-Agent <i>LangChain, Gemini AI, Chroma, Next.js, GCP</i>	Link
<ul style="list-style-type: none">Developed an AI-powered chat application to explore faculty profiles, research interests, and publications, enabling students to search by domain or project interest.Integrated semantic search with Chroma and Gemini AI to generate insights, with dashboards in Next.js showing faculty statistics and research trends.	

Technical Skills

Languages: Proficient in – Python, JavaScript, SQL, HTML, CSS; Familiar with – TypeScript, Java, C
Frameworks & Libraries: Next.js, React.js, Node.js, Express.js, React Native, Flask, FastAPI
Databases: MongoDB, MySQL, PostgreSQL
DevOps & Deployment: Docker, AWS, Google Cloud Platform
Tools & Utilities: GitHub, Postman, REST API
AI & Machine Learning: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, TensorFlow, OpenCV, LangChain, LangGraph