

Ashish Kumar

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SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, C, C++, SQL, PowerShell
- **AI & Data Science Tools:** Machine Learning, Deep Learning, Scikit-Learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, SciPy, Seaborn, OpenCV, HuggingFace, Jupyter Notebook, Excel, Google Colab, RAG, Agentic AI, Gen AI
- **Frontend Technologies:** HTML5, CSS3, React, Next.js, Material UI, Tailwind CSS, shadcn UI, Redux, Framer Motion
- **Backend Frameworks:** Flask, Django, FastAPI, REST APIs, Node.js
- **Cross-Platform Development:** React Native, Electron
- **Database Systems:** MongoDB, MySQL, Firebase
- **Version Control:** Git, GitHub, Docker, CI/CD, Render, Vercel, Heroku, Netlify
- **Software Architecture & Design:** MERN Stack, JAM Stack, Microservices, MVC Pattern, API Design
- **Cloud & Automation:** AWS (EC2, S3), Google Cloud
- **Soft Strengths:** Algorithmic Thinking, Task Prioritization, Logical Reasoning, Innovative Approach, Creativity

PROJECTS

1. Social Media Platform | Wonder Hive

TECH STACK: MERN, Next.js, WebSockets, Tailwind CSS

- Built a fully-integrated social media platform supporting **100+ concurrent users** with real-time chat and notifications.
- Implemented features including posts, likes, follows, and comments, resulting in a **20% increase in user engagement** during testing.
- Optimized backend APIs to handle **5,000+ requests per minute**, ensuring seamless and responsive user interaction.

2. Pixel Art Editor | Vox Cell

TECH STACK: Next.js, HTML5, Canvas.js, Tailwind CSS

- Developed an interactive editor supporting **5000+ pixels**, with tools for creation and modification.
- Reduced rendering lag by **30%** using optimized canvas algorithms for smooth sprite manipulation.
- Integrated export options allowing artists to save projects in **multiple formats**, enhancing usability for game developers.

3. AI Chatbox | Virtual Assistant

TECH STACK: Python, Open AI API

- Engineered an AI assistant capable of handling **25+ task types** including scheduling, reminders, and content generation.
- Achieved **90%+ accurate responses** in natural conversation simulations using OpenAI API.
- Automated workflow tasks for users, reducing manual effort by **50%** in repetitive operations.

CERTIFICATIONS

- IBM Machine Learning Professional Certificate
- Google Prompting Essentials Specialization
- Meta Full Stack Developer Specialization
- Adobe Graphic Designer Professional Certificate

EDUCATION

- University School Of Automation & Robotics (GGSIPU) (August 2025 - July 20XX)
Bachelors in Technology in Computer Science (IIoT) - Present
- Andhra Education Society, DDU Memorial Sr. Sec. School (July 2023 - March 2025)
Higher Secondary (CBSE) - 88.7%

HONORS & AWARDS

- **ICT Day – 1st Prize** (February 2024)
ISSUED BY: Andhra Education Society
Secured 1st prize in the annual ICT Day project showcase for my AI Modern UI chatbox project.
- **IMO 2023 - Rank 3** (December 2023)
CONDUCTED BY : Science Olympiad Foundation (via Andhra Education Society)
Achieved 3rd rank in the school for the International Maths Olympiad (IMO) 2023.