

Akhilesh Tiwari

+91-6392473253 | 10akhil.t@gmail.com | github.com/silky-x0 | linkedin.com/in/Akhilesh | [LeetCode: 3MindedScholar](#)

EDUCATION

United University, Prayagraj

2023-2027

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.00/10.0 (up to 3rd Semester)

EXPERIENCE

Freelance Software Developer

Nov 2024 - Present

Remote

Full-Stack Development

- Designed and developed a comprehensive ERP system for educational institutions using **Django REST Framework** and **React**
- Implemented role-based authentication, real-time reporting, and student management modules
- Optimized system performance by 35% through database indexing and **Redis** caching strategies
- Containerized the application with **Docker** and orchestrated cloud deployment using **AWS S3** for efficient file storage
- Secured API endpoints using **JWT** authentication and implemented comprehensive API documentation with **Swagger**

PROJECTS

Chat2DocV2 | *React, Google Gemini API, Firebase, Auth0, PDF.js*

May 2025 - Present

- Developed an AI-powered document interaction tool allowing users to chat with and query PDF documents
- Integrated Google Gemini API to enable semantic understanding and context-aware responses from document content
- Implemented PDF parsing and text extraction using PDF.js for comprehensive document analysis
- Built a responsive React frontend with real-time chat interface and document viewing capabilities
- Utilized Firebase for document storage and Auth0 for secure user authentication and identity management

Chess Game | *React, Node.js, WebSocket, MongoDB*

April 2025 - Present

- Engineered a full-stack multiplayer chess platform with real-time gameplay functionality
- Implemented WebSocket protocol for live game state synchronization between players
- Developed robust backend logic for move validation, game state management, and user authentication
- Designed a responsive UI with interactive game board using React components and custom CSS
- Integrated MongoDB for persistent storage of user profiles, game records, and performance statistics

Spam Email Detector | *Python, scikit-learn, pandas, NLTK*

Dec 2023 - Jan 2024

- Built an email classification system utilizing Naive Bayes algorithm achieving 92% accuracy
- Implemented advanced text preprocessing pipeline including tokenization, stemming, and TF-IDF vectorization
- Created custom feature extraction methods to identify spam patterns through natural language processing
- Performed hyperparameter tuning and cross-validation to optimize model performance
- Designed a simple API interface for real-time email filtering integration

Personal Portfolio Website | *React, TypeScript, Tailwind, Framer-motion, Email.js*

Oct 2023

- Developed a responsive personal website showcasing projects and technical skills
- Implemented modern UI/UX design principles with Framer animations and transitions
- Optimized site performance and accessibility scoring 95+ on Google Lighthouse metrics

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, HTML, CSS, SQL

Frameworks & Libraries: React.js, Node.js, Express, Django REST, Tailwind CSS

Databases & Tools: MongoDB, MySQL, Firebase, Redis, Git, GitHub, Postman, Docker

Cloud & DevOps: AWS S3, Heroku, Netlify, CI/CD workflows

Machine Learning & AI: Google Gemini API, scikit-learn, NLTK, TensorFlow (basics)

Other: Auth0, RESTful APIs, WebSockets, Socket.io, JWT, Swagger, Responsive Design

LEADERSHIP & ACTIVITIES

Programming Club

Sept 2023 - Present

Active Member

United University

- Organize weekly coding sessions and hackathons for university students
- Conducted workshops on web development fundamentals for junior students
- Contributed to algorithm study groups focused on competitive programming

Technical Festival

Jan 2024 - Present

Event Coordinator

United University

- Managed operations for technical competitions with 300+ participants
- Created challenging problem statements for coding contests and hackathons
- Coordinated with sponsors and faculty for successful event execution

ACHIEVEMENTS

Competitive Programming

2023 - Present

Active Participation

- LeetCode: Solved 40+ algorithmic problems (profile: 3MindedScholar)
- Participated in university-level coding competitions