Akhilesh Tiwari

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Bachelor of Technology
United University, Prayagraj

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EDUCATION

•**Bachelor of Technology in Computer Science and Engineering**   *2023-27*

United University, Prayagraj   CGPA: 8.00 (upto 3rd Semester)

PROJECTS

•**Chess Game (Full-stack Implementation)**

An online chess platform for multiplayer real-time gameplay.

- Developed a fully interactive chessboard with real-time multiplayer functionality.
- Implemented backend logic for validating moves and game state management, ensuring smooth gameplay.
- Technology Used: React, Node.js, WebSocket, MongoDB.

•**Spam Email Detector**

A machine learning model for detecting spam emails and filtering out unwanted content.

- Built and trained a Naive Bayes model for classifying emails as spam or not.
- Preprocessed data and fine-tuned model accuracy, achieving high classification performance.
- Technology Used: Python, sklearn, pandas, nltk.

EXPERIENCE

•**Freelance Software Developer**   *Nov 2024 – Present*
                     Remote

- Designed and developed a full-stack ERP system for schools, incorporating role-based authentication, database management, and real-time reporting.
- Implemented features such as student management, fee tracking, and reporting using Django REST Framework, React, and MySQL.
- Optimized system performance by implementing database indexing and caching with Redis.
- Deployed the application using Docker for containerization and AWS S3 for file storage.
- Used JWT authentication and integrated Swagger for API documentation.

TECHNICAL SKILLS

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

–**Frameworks**/**Tools** React.js, Node.js, Express, MongoDB, Flask, WebSocket, AWS

–**Machine Learning** scikit-learn, NLTK, TensorFlow

–**Version Control** Git, GitHub

–**Others** JWT, Stripe, WebRTC, Socket.io

POSITIONS OF RESPONSIBILITY

–**Member** Programming Club   *September 2023 - Present*
–**Event Coordinator** Tech Fest, University   *January 2024 - Present*
  ∗Managed event operations and coordinated with team members
  ∗Created problem statements and challenges for technical competitions

LEETCODE STATS

- **3MindedScholar**   40+ problems solved, active participant.