Aayush Pandey

Kanpur, Uttar Pradesh, 208001.

📞 +918840475949 | ✉ aayushhp17@gmail.com | in LinkedIn | ○ GitHub | </> LeetCode | </> CodeChef | ◉ Portfolio

EDUCATION

G.L.A. University, Mathura   2020 – 2024
B.Tech - Computer Science and Engineering with specialization in - (AI/ML)

EXPERIENCE

Software Engineer Intern   Jun 2022 – Aug 2022
Jio Platforms Ltd.   *Mumbai, Maharashtra*
- Developed and deployed multiple APIs using gRPC and protocol buffers, supporting various company verticals.
- Implemented knowledge graphs with ArangoDB to manage and query complex data relationships effectively.
- Proficient in Python, machine learning, gRPC, protocol buffers, and ArangoDB, with hands-on experience contributing to diverse technical projects.

PROJECTS

Hangry ⬈ | *React, MongoDB, Express.js, Node.js, Stripe, Multer, JWT*   Jul 2024 – Sep 2024
- Comprehensive User and Admin Panels: Developed an interactive UI for seamless product navigation with advanced filters and cart management. The admin panel features role-based access control for dynamic product and order management, enabling real-time monitoring and updates.
- Robust Security and Authentication: Implemented JWT authentication for secure sessions and Bcrypt for password hashing, ensuring user data protection. Authenticated REST APIs facilitate secure client-server interactions, maintaining data integrity and privacy.
- Seamless Payment Processing: Integrated Stripe for secure, fast payments, enhancing user experience with real-time order placements and notifications. Utilized Multer for efficient image file uploads to streamline product management.
- Responsive and Dynamic Design: Built using the MERN stack, the app features responsive dark/light themes, and optimized performance with lazy loading and state management. Deployed on Render for scalability and high availability in production.

Google Gemini Chatbot ⬈ | *HTML, CSS, Javascript, Gemini API*   Jun 2024 – Jul 2024
- Developed a dynamic chat interface with responsive design, utilizing HTML, CSS, and JavaScript to simulate real-time conversations, including a custom typing effect for enhanced user experience
- Integrated theme toggling functionality, allowing seamless switching between light and dark modes, leveraging local storage for persistent user preferences.
- Implemented message copying and deletion features, providing intuitive interactions such as one-click copy and confirmation dialogs for deleting chat history, and optimizing user control over chat data.
- Utilized the Google Gemini API for advanced natural language processing and real-time conversational responses.

N-Queen Visualizer ⬈ | *Data Structures, Algorithms, React, HTML, CSS, Javascript*   May 2024 – Jun 2024
- Implemented the N-Queen problem using advanced Data Structures and Algorithms (DSA), efficiently solving the combinatorial challenge of placing N queens on an NxN chessboard without conflicts.
- Developed an interactive visualizer using React, leveraging component-based architecture to dynamically update and render solutions, improving user engagement and problem comprehension.
- Integrated efficient backtracking algorithms to solve the N-Queen problem, optimizing the solution space and visualizing multiple solutions on the fly.
- Optimized algorithm performance using React's state management to dynamically update board configurations, efficiently handling larger board sizes by applying backtracking techniques and ensuring smooth, real-time visualization of multiple solutions.

SKILLS

Languages/Frameworks: Java, Python, JavaScript, HTML5, CSS3, SQL, NodeJs, ReactJs, Tailwind CSS, Data Structures, Algorithms, AI/ML Concepts
Databases: MongoDB, ArangoDB
APIs: REST API, gRPC
Developer Tools: Git, Github, VS Code, PyCharm, IntelliJ, Canva, GCP, Figma
Professional Skills: Problem Solving, Creative and Logical thinking, Effective Communication Skills

EXTRA/CO-CURRICULAR ACTIVITIES

- Runner up for IBM ICE day event.
- Completed Google Cloud Facilitator program and 30 days of Google Cloud.
- Solved over 350+ problems on LeetCode.
- Attended seminar on AI and its advancement.
- Head of Designing Team (GDSC - GLAU).