DILEEP KUMAR BAGHEL

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Education

University Of Lucknow   **Dec 2021 – June 2025**
Bachelor of Technology in Electronics and Communication   *Lucknow, UP*

Experience

LearnTrail   **April 2025 – Present**
Software Engineer - I   *Lucknow, UP*
- Developed and deployed a full-stack Pharmacy Management System using **Flask (Python)**, **MySQL**, and **RESTful APIs**, with secure authentication and role-based access. Responsive UI across multiple modules.
- Engineered end-to-end pharmacy operations workflows by building **CRUD** functionality with Flask Blueprints and MySQL, implementing billing logic with automating real-time inventory updates.
- Designed and consumed RESTful APIs using Flask and MySQL, applying strong skills in data modeling, validation, error handling, and security (authentication and role-based access control).
- Implemented dynamic templates and server-side rendering with **Jinja2**, reducing redundant code and enhancing maintainability through reusable layouts, template inheritance, and conditional rendering.

Creators Adda   **June 2024 – July 2024**
Web Developer Intern   *Remote*
- Built and optimized interactive web interfaces using **ReactJS**, applying component-based architecture, hooks, and state management to ensure reusable and scalable front-end modules.
- Styled responsive and modern UIs with **Tailwind CSS**, leveraging utility-first classes, custom themes, and breakpoints to deliver mobile-first, pixel-perfect designs.
- Improved debugging and testing skills, ensuring UI responsiveness, fixing rendering issues, and optimizing performance across devices.

Projects

NextJS-Auth | *NextJS, React, RestAPI, MongoDB*   **September 2025**
- Engineered a secure authentication platform using Next.js, NextAuth.js, and JWT, implementing complete user login, registration, and session management with middleware-based route protection and environment variable encryption for sensitive credentials.
- Designed and implemented modular full-stack architecture integrating RESTful API endpoints with MongoDB (Mongoose ORM), leveraging Next.js App Router, server components, and API routes to manage user data securely using bcrypt hashing, schema validation, and robust error handling for optimized scalability and performance.

AI-Powered Post Scheduler | *Python, Flask*   **November 2025**
- Engineered an AI-driven LinkedIn post scheduling platform using Flask, MySQL, and LinkedIn OAuth 2.0, enabling seamless authentication, post creation, and automated content publishing. Integrated Google Gemini API for intelligent text generation, allowing users to craft day-wise professional posts optimized for engagement.
- Implemented a robust backend architecture featuring APScheduler for timed publishing, RESTful endpoints for CRUD operations on scheduled posts, and secure session management with JWT tokens and environment-based credentials.

Personal-Portfolio | *ReactJS, Tailwind* | *Link*   **August 2025**
- Developed a fully responsive personal portfolio website using React.js for component-based UI development and Tailwind CSS for rapid, utility-first styling; implemented modular, reusable React components to showcase projects, skills, and achievements with a clean and consistent design system.
- Leveraged Tailwind's responsive design utilities and flex/grid layouts to ensure adaptive rendering across all screen sizes; optimized user experience with smooth animations, scroll effects, and interactive elements enhancing engagement and accessibility.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, MongoDB, MySQL
Developer Tools: VS Code, phpMyAdmin, Postman, MATLAB, MongoDB Compass
Technologies/Frameworks: ReactJS, NextJS, Flask, Git, GitHub, Tailwind CSS, Restful API

Achievements

- Successfully completed the **Samsung Innovation Campus Hackathon** — a 3-day intensive program focused on innovation and applied problem-solving.
- Earned the **Certificate of Completion in Python Programming** from Samsung Innovation Campus. | *Link*
- Achieved the **Certificate of Completion in Linux Challenges** from KodeKloud. | *Link*