AADITYA PRATYAY PATHAK

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Address: New Delhi, Delhi

PROFILE SUMMARY

Results-driven 2025 Computer Science graduate specializing in backend development and the MERN stack, with hands-on experience building scalable, full-stack applications and secure RESTful APIs.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript (ES6+), C, C++
- **Backend:** Node.js, Express.js, RESTful APIs, System Design
- **Frontend:** React.js, HTML5, CSS3
- **Databases:** MongoDB, MySQL
- **Developer Tools:** Git, GitHub, VS Code, Agile Methodologies

WORK EXPERIENCE

C-DAC PATNA | Intern **|** June 2025 - Aug 2025
- Engineered and implemented a secure backend payment gateway module using Node.js and Express.js, integrating it into two live client projects.
- Designed and consumed RESTful APIs for processing transactions and managing user data, achieving a 99.9% success rate during testing.
- Collaborated in an Agile team to develop and debug 10+ new features, writing clean, maintainable backend code and contributing to database schema design in MongoDB.
- Participated in unit and integration testing to ensure code quality, identify bugs, and maintain high standards for application reliability and performance.

PROJECTS

Online Fee Payment and Receipt System Link
- Developed an innovative online fee payment gateway to serve a university of 5,000+ students, aimed at eliminating physical queue wait times.
- Engineered the system to prevent 100% of common manual data entry errors and malpractices, projecting a 90% reduction in clerical mistakes.
- Built a robust and transparent solution for fee management, providing a single source of truth for 20+ administrators and thousands of students.
- Delivered a secure and efficient payment portal, processing all transactions through an encrypted and auditable channel.

Learning Management System Link **(Ongoing Project)**
- Developing a full-stack LMS with a focus on a modular backend architecture to manage complex relationships between users, courses, and payments.
- Implementing backend logic for user authentication, course enrolment, and progress tracking using Node.js and Express.js.
- Designing dynamic, role-based dashboards in React.js to provide real-time progress tracking for students and course management tools for instructors

EDUCATION

UNITED COLLEGE OF ENGINEERING AND RESEARCH, GREATER NOIDA   **2021-2025**
- **Course:** B. Tech in Computer Science and Engineering
- **Coursework:** Object Oriented Programming, Database Management System, Statistics, Data Structures and Algorithm.

CERTIFICATIONS

MERN Stack (Full Stack Development) – C-DAC Patna (2025) Link
Full Stack Development - The Complete Full-Stack Web Development Bootcamp (Udemy) Link
Generative AI - OutSkill (2025) Link